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# THE FEATHER

A MAGAZINE DEVOTED TO POULTRY & PIGEONS



5 cents a copy  
50 cents a year

THE HOWARD PUBLISHING COMPANY  
WASHINGTON, D. C.

Vol. XII, No. 1  
October, 1906



## Superb Winning Pigmy Pouters at the Great Madison Square Show.



**H**ERE'S A RECORD TO BE PROUD of. At the Great New York Show, held in Madison Square Garden, January 2-6, 1906, on 24 entries, we won 24 premiums as follows: Eleven firsts, 10 seconds, and 3 thirds. It is evident that this GREAT RECORD is a world breaker. It is a case of where blood will tell. We have all blue-blooded birds in our flocks.

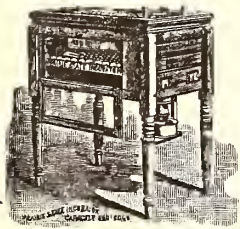
At the last Great Hagerstown Show, the Potomac Pigmy Pouter Lofts, on twenty-four entries, were awarded 10 firsts (out of a possible 11 firsts, 5 seconds, 2 thirds, 3 fourths, 3 fifths, and special for best bird in show).

**All Bred in Line from the Finest American and English Winners.**

We have a few fine Breeders for sale, which should breed you winners of "the blue" in any show. This opportunity won't last forever as our stock for sale is limited, the first come, first served.

The quality is here. The opportunity for such purchase does not often present itself.

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**EDWARD S. SCHMID,**  
—DEALER IN—  
**Fancy Fowls, Birds, Pet Animals, Poultry Supplies.**  
712 Twelfth Street Northwest,  
WASHINGTON, D. C.

SOLE AGENT FOR D. C. FOR  
**The Prairie State Incubators and Brooders.**  
Bone Grinding Machines, etc. Send for my Illustrated Catalogue.

## Johnson's White Leghorns

Bred since 1895 for large size, exhibition quality, combined with prolific laying, maturing early and laying from 200 to 275 eggs in a year. Stock and eggs in any quantity. Write for six-page illustrated folder. **J. COOK JOHNSON, Box F, OMAHA, NEBRASKA.**

## NORTHUP'S MINORGAS SINGLE AND ROSE COMBED

Eggs from 20 grand pens guaranteed to hatch regardless of distance. 28-page catalogue free. 68-page book, "Minorgas, All varieties," history, mating, fitting for show, etc. Fully illustrated. 25 cents postpaid. My S. C. Minorgas have never lost a special for large size, and have won more than 3,000 prizes for my customers in strong competition. My R. C. Black Minorgas have won more 1st and 2d prizes than all competitors combined at Chicago, Boston, Philadelphia and New York.

**GEO. H. NORTHUP, Raceville, Washington Co., N. Y., R. F. D. 5.**

## FLOOD'S ROUP CURE

**GUARANTEED**

Simply put the Cure in drinking water, and the fowls take their own medicine. **FLOOD'S ROUP CURE** will cure colds, roup and canker in chickens, turkeys and pigeons. 50c and \$1.00 per package, post paid. A 50c package makes 50 gallons of medicine. If your fowls are sick write us their symptoms, and we will tell you their ailments, and how to cure them. **FLOOD'S ROUP CURE** only manufactured by  
**W. H. FLOOD, No. 7509 Woodland Ave., Cleveland, O., U. S. A. Dept. A.**

## JUST FROM THE PRESS The Most Interesting Book of the Day to All Americans

**JOHN PAUL JONES' LAST CRUISE AND FINAL RESTING PLACE THE UNITED STATES NAVAL ACADEMY**

Which is Beautifully and Profusely Illustrated, Contains—  
1. An account of all the ceremonies and incidents connected with the John Paul Jones expedition in command of Admiral Sigbee in Cherbourg, Paris, and Annapolis, Md.  
2. An authentic account of the discovery, search and identification of the body of John Paul Jones in Paris vouched for by Gen'l. Horace Porter and the French and American authorities.  
3. Some interesting manuscripts connected with important historical events in the life of John Paul Jones.  
4. A short illustrated history of the United States Naval Academy and a description of its principal new buildings.  
5. The programme of the final exercises in honor of John Paul Jones which took place at Annapolis on April 24, 1906.  
6. Appendix—Documents relating to the presence of the French troops in Maryland and at Annapolis during the war of the American Independence.

PRICES: Paper, 50 cents; Cloth, \$1.00.

**GEO. E. HOWARD, Publisher,**  
714 12th St., N. W., Washington, D. C.



**WHEN EGGS ARE HIGH**

## HARVEY'S CUT CLOVER

Did you ever feed a green poultry food in winter? You should if you expect your hens to lay as well as they do in summer. It is one of the things that they lack—one of the reasons they stop laying. Our **Cut Clover Hay** makes hens lay and at a very low cost. Suppose you try it. Send for free catalog of Everything for the poultryman and learn more about this food.

**Harvey Seed Co., 21 Ellicott Street, Buffalo, N. Y.**

**WILL INCREASE THE SUPPLY**

## 10,000 CHICKENS Raised With 36 Universal Hovers

Here is some more evidence of the wonderful adaptability of **Prairie State Universal Hovers**. During the past season **W. R. Curtis & Co.**, on their famous **Niagara Farm**, at **Ransomville, N. Y.** successfully raised **Ten Thousand and Chicks** with thirty-six **Prairie State Universal Hovers**. They have used as many as four hovers in one house, transferring them to other houses after the chicks no longer require them. Messrs. Curtis further state that during the rush season it was necessary to place in some houses as many as three hundred chicks, and the greatest loss in any of these instances did not exceed ten chicks. Can you conceive of a more economical and successful manner of rearing chicks?

Poultry-raisers are taking their heating apparatus out of other makes of brooders and installing in their place **Prairie State Universal Hovers**. We are

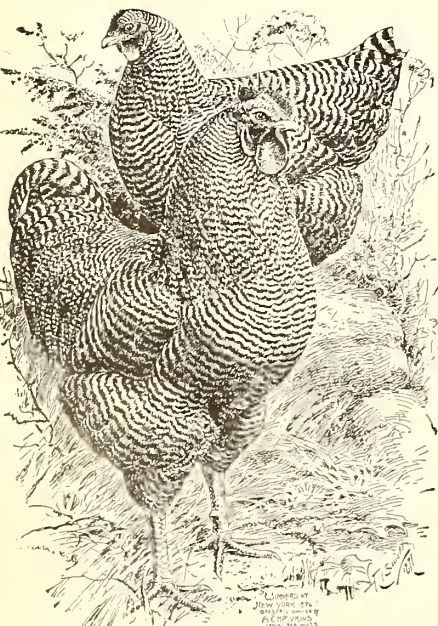


One of 40 Colony Houses used on Niagara Farm—fitted with **Prairie State Universal Hovers**

at present remodeling brooding houses on large poultry plants, taking out expensive pipe systems that have proven unsuccessful and installing our modern brooding devices.

Think of this if you want to raise more chicks next year. Let us plan your brooding system for you now. Do not hesitate because your wants are not great, our systems fit the greatest or smallest plants and are as profitable for the little fellow as for the big one. Remember we positively guarantee our **Brooding Systems**. Write for our catalog, it shows the way and the why.

**PRAIRIE STATE INCUBATOR CO.**  
481 Main Street, Homer City, Pa.



## HAWKINS'

**ROYAL BLUE STRAIN**

## PLYMOUTH ROCKS

**BARRED, WHITE AND BUFF.**

**WYANDOTTES, Silver White and Buff.**

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others.

My matings this season are the best I ever owned.

At New York, in the largest show of **Barred Rocks** ever seen, **451 Birds**, I won 1st, 2d, 3d and 4th Cockerels; 1st, 2d and 3d Pullets; 1st and 3d Cocks; 1st and 2d Hens; 1st and 2d Breeding Pens. My other varieties are of the same high quality. **Hundreds of choice exhibition and breeding birds at honest prices.** **EGGS** from Prize Matings: One setting, \$5.00; two settings, \$8.00; three settings, \$10.00; five settings, \$15.00. \$20.00 per 100. Catalog of America's finest **Plymouth Rocks** and **Wyandottes** free.

**A. C. HAWKINS, Lock Box 28, Lancaster, Mass.**



First Cockerel at New York.

## JOHN WHARTON

**HONEYCOTTE, HAWES**

**Yorkshire, England**

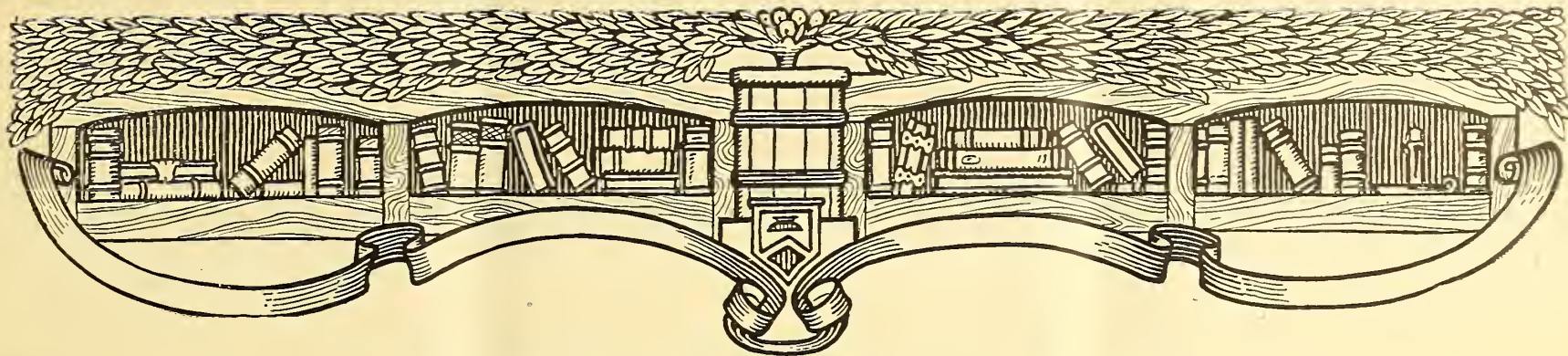
Will be pleased to purchase fowls of all kind for you in England.

Reference this Paper.



**1885—QUALITY : EGGS : CONSTITUTION—1906**  
4000 S. and R. C. B. and W. Leghorns, W. and R. Wyandottes, W. Buff and Penciled Ply. Rocks and Houdans. Range-raised on 300 acres. Every bird a Prize Winner, or the son or daughter of a prize winner. No County-Fair Records—186 Firsts, 68 Gold Specials, 12 Silver Cups, won at New York, Boston and Washington, shows the quality of blood we are breeding, which has for years, and is to-day, producing prize-winning specimens in all sections of this country and many parts of Europe. "Like begets like." Catalogue. Satisfaction guaranteed.  
**J. FORSYTH, Owner, Owego, Tioga County, N. Y.**





## Our Illustrations

**B**ANTAM fanciers must be pleased with the cover page illustration this month. While not the most popular, nothing makes a more attractive picture than do the little Japs. This illustration, made by Mr. Schilling, who is the artist of White's Class Advertising Co., was selected on account of the surprising quality of the photograph of the male bird. The female is not from an original photograph. The male bird is very little changed from the original photograph. The enlargement was retouched and changed to improve the female, which might be called a pen sketch added to the photograph of the beautiful male bird.

Next month our readers will see on the cover page a facsimile illustration of one of the most beautiful Buff Wyandotte male birds ever grown in this country. This will be the first of our illustrations representing the stock of an individual breeder. In connection with this will be given a write-up of the yards and general information of the stock from which this specimen was produced. Quite a number of pages have been claimed in this manner for the coming year. We invite all who are attracted to this style of illustration to make application for the front-page and write-up of their stock.

The photographs made use of this month have been contributed by Mr. Keller, H. Unzelmann, of Germany; Jas. E. Rice, J. F. Defandorf and our own camera.

## Object-lesson

No department of poultry is so influential in the education of the amateur as the object-lesson. We prefer to use a perfect photograph. When this will not reproduce to our fancy we use the pen, the brush and the water color if necessary. Our intent is to give to those following the columns of the paper an idea of what they may expect to see both in the ordinary as well as the high class exhibition specimens. Whenever we present a specimen as an illustration of an individual or a flock we shall hope to reproduce for comparison the actual photograph itself from which the illustration has been made. We solicit the submission of photographs of all kinds and character. We also hope that the fanciers of the country will avail themselves of the opportunity of using the front cover page to present their most beautiful specimens. This can be engaged at a remarkably low cost in consideration of the advantages to be gained.

## Contributions

The specialty clubs representing each and every variety of fowls are requested

# SHOP TALK

to submit to us a carefully prepared article in the interest of the breed they foster, and with some original photographs to be used in illustrating the article. We are anxious to present in our columns well written articles telling of each breed and variety as they actually exist. Do not hesitate or be backward or bashful in this. Prepare the articles and send them to us with the photographs for presentation in our paper.

We are more than gratified at the increased demand for THE FEATHER through the news dealers. We invite each and every reader of this paper to exhibit same to the news dealers in his home town. Or better than this, send us the name of the most likely parties interested in handling such a magazine. We will write them relative to securing same through their nearest news agency. All the news agencies of the United States handle THE FEATHER. News dealers have only to ask for it to be supplied.

We will send to any one of our readers, their neighbors or their friends THE FEATHER and any other 50-cent poultry paper, the two for a year, for 75 cents. THE FEATHER and The American Fancier for a dollar; The American Stock Keeper and THE FEATHER for a dollar. Any purchaser of the new Standard of Perfection can have the Standard and THE FEATHER for \$1.75.

There never were more promising prospects in view for poultrymen than at the present time. There is an unusual demand for high-class, high-priced, high-quality specimens for exhibition. There is a very active demand for furnishing stock at profitable prices. The balance should all go into the market poultry department either as dressed poultry or for the production of eggs for the market. Now is the time to advertise your stock in the columns of THE FEATHER. November and December issues will be most attractive holiday numbers. Do not fail to have your advertisement in our columns. Below are our advertising rates. Take advantage of same and forward your business to us as soon as possible.

## Advertising Rates

The advertising rate in THE FEATHER is ten cents per line, fourteen lines to the inch, \$1.40 per inch per insertion.

**DISCOUNTS:** Two per cent. discount for three months' payment in advance; five per cent. discount for six months' payment in advance; ten per cent. discount for one year's payment in advance.

**For Classified Ad Rates in THE FEATHER:** Twenty-five (25) words or less, one time 50 cents; three times \$1; six times \$2; twelve times \$3.50. Additional words at the rate of 2 cents each

for one insertion, or 11-3 cents each for each insertion when run three times or more. PAYABLE IN ADVANCE.

*Special Positions* ten (10) per cent. additional.

No discount on class ads.

*Forms Close:* THE FEATHER forms close the twentieth of the month previous to date of publication.

Try our columns and be convinced of the value of THE FEATHER.

## Worthy Commendation

Dr. J. S. Wolfe writes us: "September issue of THE FEATHER just at hand and contents noted. Let me congratulate you on the steady advancement of THE FEATHER, month by month, until it is now truly 'different from the rest.'"

Chas. T. Cornman says: "Must congratulate you on the last issue of THE FEATHER. It can not be classed as a poultry paper, but as a magazine of the first class, fit to grace the library of any one."

The following was received from a large advertiser: "The writer called at your office in June and met with a cordial reception. Became interested in your poultry journal, THE FEATHER, and subscribed for same. After further consideration have suggested that our house place an advertisement with you."

"Sample copy of The Feather has been received. It has improved wonderfully since I subscribed to it about four years ago. In fact, I think it compares favorably with the best magazines. Enclosed find my subscription."—Jas. A. Davis.

These are only a few of the pleasant congratulations that continually come to the office of THE FEATHER. It is a great paper for both subscribers and advertisers. Show it to your friends. There is nothing like it in poultry culture.

## Rockville Fair

There was an error in reporting the awards on Brown Leghorns at the Rockville Fair in our issue of September. The report should have read: "Messrs. Chriscaden, Booth and Pitchlyn won the highest prizes; Mr. Roland C. Booth, second cock; Mr. Chriscaden, first and second cockerel; Mr. Lee Pitchlyn, first hen, first pullet, first and second pen." It seems to be almost an impossibility to have even that correct which you are most anxious to report in the proper manner. Another error in the same item was the spelling of Mr. Hicks' name. It should have been Mr. Calvin Hicks, of Rockville, Md., Superintendent of the Poultry Department.

## What Others Say

"The sample copy of The Feather you sent us came last week. It is a thing of art and common sense well mixed. We have nine journals now, but can add this new one. Later on we may be glad to use The Feather for space, but just now we are carrying all we can stand."—Burgess & Everett.

"I enjoy The Feather very much indeed. Aside from the fund of valuable information it contains, it is a real work of art from cover design to the last ad."—Dr. E. C. Hamilton.

"A friend of mine gave me one of your papers, and I thought it the best paper I had ever seen. Enclosed find 50 cents for a year's subscription."—J. B. Briggs.

"I must say your paper, The Feather, takes the cake; out of one ad in your paper I had orders for over \$200 worth of birds. You can use this testimonial if you choose."—Horace J. Mier, Rutherford, N. J.

"I enclose \$1.00 for The Feather and American Fancier. The Feather is a very useful publication for any one who is interested in poultry. I am a breeder of Homers and get much valuable information out of each issue. Your conservative way of handling the squab situation has always impressed me."—E. L. Reber, Seattle, Wash.

"Enclosed find P. O. Order for two dollars. Extend my subscription to The Feather for one year, begin my new subscription to The American Fancier with the April number and send me a New Illustrated Standard. The Feather is certainly up to date."—John J. Lynch, Painesville, Ohio.

Your sample copy of The Feather received, and like it very much. The Feather is all right, as it reminds me of Old Glory, it floats over all. Find enclosed one dollar for subscriptions thereto."—Eugene Reed.

"I wish to congratulate you on the splendid paper you are publishing. Out of the four papers I receive, there is none I look forward to with more interest than The Feather. I enjoy reading its contents on pigeons and poultry so much. Wishing you all continued success."—Max Steinman.

"Enclosed is \$3.48 for the enclosed advertisement under the head of classified ad. A year ago had good success with your paper, and certainly could not do without it."—Geo. W. DeRidder, Ballston Spa, N. Y.





THE current issue of THE FEATHER is volume twelve, number one. The mere mention of the fact speaks more for our success than could almost any other statement. From a mere handful of admirers who read our first issue we now have constant praise from all quarters for the beautiful, attractive and instructive magazine which we are pleased to call the new FEATHER.

We do not hesitate to claim that the finest presentation of a breed ever attempted by any publication was the description of the Muscovy Duck in our September issue. We have never before seen such beautiful illustrations of these birds. Some of them we made up from several photographs. All of them are most lifelike, and the subject matter relative to same, we imagine, is the most complete ever published. The White Muscovy Ducks were a combination of the stock photographed at Rock Hill Poultry Farm and at Cornell College. The colored Muscovy Ducks were from a photograph sent us by Dawson Brothers, of Franksville, Wis. The others were made by the cameras of our friends and ourselves.

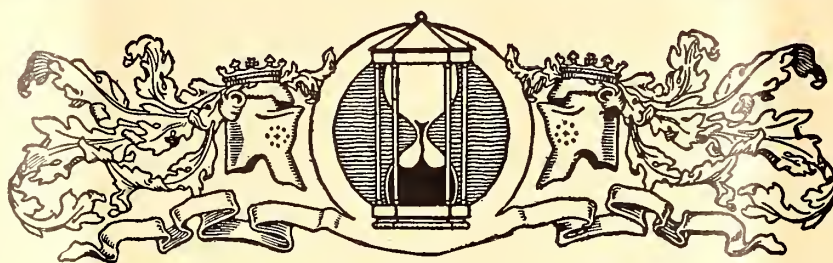
The advance all along the line in the price of eggs and dressed poultry within the last few weeks must remove all doubt as to the question of supply and demand so far in this country. There may come a time some day, but quite far off, when the supply of the best qualities will equal the demand. There always has been and always will be entirely too much of the lower grades and poorer quality.

The illustrations in this issue of the Columbian Wyandottes and White Plymouth Rocks were made from snapshots taken at the yards of Mr. Hawkins, between showers and cloudy skies. Every one who sees these pictures will recognize in the Columbian Wyandotte male bird quality seldom found.

In going over the proposed amendments to the constitution and by-laws of the American Poultry Association, to be considered at the January meeting in Auburn, N. Y., there seems to be a general sentiment along a few lines. The only opposition that we have noticed to the general opinion appeared in the September 8 issue of The American Fancier.

We stated in our last issue the points favorable, in our opinion, in the proposed amendments. There are a few propositions that should have the grave consideration of the entire membership. We shall take this up and present it, as we understand it, and state the possible difficulties that may arise in the adoption of same as it now stands.

In the proposed amendments it is contemplated to return 50 per cent. of the club or society membership fees paid to the association. There can not be any great objection to this. The danger in this proposition lies in the fact that the selected delegate to the annual meeting from such an organization is to be permitted to cast one vote for every five members of the branch association. If but twenty members were present at a meeting it might be possible for one associate representative to be able to cast twenty-one votes himself, thus dominating the en-



## THE FEATHER

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Number 1

GEO. E. HOWARD, Editor

T. F. MCGREW, Associate Editor

Single Copies, 5 cents.  
Subscription, 50 cents a Year in Advance.  
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ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

tire convention. With the new organization proxy votes should be forever obliterated. The voting of importance to be done by mail relieves the association of the possibility of business of importance being transacted by a few.

After the committee of twelve has been elected by the vote of the entire organization they undoubtedly may be trusted with the business of importance connected with the association. The meeting in mid-summer may prove to be of advantage. This may be tried. We doubt very much the advisability of holding the meeting of this kind at any time other than during the winter show season and in the locality where the exhibition is held, but if we are to have the organization proposed, the meeting may be advantageously held at any season of the year.

The question of most importance to the association itself is the proposition to pay the secretary-treasurer \$1,500 per year and traveling expenses. This, at a low estimate, would certainly place the expense of the secretary at not less than \$2,000 per year. A salary of \$500 to be paid to a stenographer, \$200 office rent, at least \$300 for postage, printing and other incidental expenses; the expense of the one in charge of the voting by mail and the necessary expenses of the executive committee will carry the assured expenditure, without any extra outlay, to the sum of \$3,800 or \$4,000 per year. If the higher sum were reached it would mean \$20,000 to the association every five years. This is the proposition that should have the most careful consideration of all those interested in the future welfare of the association.

Reform seems to have spread from the executive office in the White House to the desk of the poultry editor. All along the line there seems to be a general shaking up for different things. The announcement that no retouched photographs should be made use of for illustrating comes like a thunder clap out of a clear sky after years of use of the most

exaggerated work of this kind. We are not reformers in the sense that these statements imply. We hope that our reform is for a better presentation of everything in the way of illustrations of poultry. When we make the statement that an illustration represents a single specimen or a group of birds, we shall try to have it as near to life as possible. Outside of this we hope our illustrations will serve the double purpose of educating and pleasing our readers.

We have written constantly in favor of a concentrated management of the association. This we shall have if that portion of the amendments is carried through that provides for same. We doubt, however, whether such a careful, painstaking, economical manager as Mr. Crawford would care to accept a position on the executive board of an association which had more than likely assured its bankruptcy in advance of the organization. We are strongly in favor of the position of secretary being filled constantly by one who shall have nothing else whatever to do but attend to the affairs of the association. We also know that the better of the Farmers' Institutes throughout the country would willingly pay the entire expense of any good man who will travel about from locality to locality to lecture on poultry subjects. Outside of such traveling the association needs no traveler other than a secretary with a stenographer, at an expense of not to exceed \$2,000 a year. This can be done by giving the secretary a salary at \$1,200 per year, stenographer \$500, and office rent and printing matter all to be kept within the \$2,000 per year.

The editor of Poultry tells us of the forthcoming issue of their beautiful pigeon magazine. Undoubtedly the pigeon fanciers deserve a magazine in their interest that should place the fancy where it belongs. While we congratulate the management of Poultry on their temerity and courage in issuing such a publication we shall await with more than passing interest the outcome of actual support to such a publication.

Too much consideration can not be given to the proper size of poultry. Poultry should be as large as is consistent with the general make-up of the breed to which it belongs. The construction of the Brahma permits of greater size than the construction of the Leghorns. The Brahma can carry more size with grace than the Plymouth Rock. All of these have their proper formation, and should be held to it. Over-size is a detriment to any of the breeds or their sub-varieties.

It takes two or three pounds of pure carbonate of lime to manufacture the shells of one hundred and fifty eggs. Will those who advocate the use of clover alone as sufficient lime supply for eggshells figure out how much clover a hen must eat to obtain this number of pounds of pure lime for the shells of the eggs? We think that the tonnage required for this purpose would prevent the old hen from having enough of the lime.

In building poultry houses, hencoops, shelters for poultry and appliances of any or all kinds for your poultry-yard, construct them with an eye to future use and care of your stock. Do not build anything in a slipshod, careless manner, but in a manner that may be useful for many years to come.

The November issue will bring to the attention of our readers the first of a series of frontispiece illustrations representing individual birds. We shall await with pleasure the expressions of opinion that will come from our many readers when they have examined our first attempt at poultry portrait painting. If we please them, as we think we shall, we hope to have shown the possibilities of actually presenting a portrait of an individual without adding or deducting in the least from same.

### Rules for Feeding Poultry

Several readers of this department take exception to a plan of feeding recommended in this department several weeks ago; if they will re-read the article, they will observe that the portion they object to, the feeding of warm mash at night, was given simply as something we had found profitable and was not laid down as a rule for all to follow. As a matter of fact, it is next to impossible to say just what ration is best for a flock until one tries it. We know, from experience, that certain rations which friends have found to be "just the thing" have been just the wrong thing for our flocks. We feed warm mashes at night, our neighbors feed them in the morning, and each of us feels our method is the best, and so it is for our particular flocks. On the other hand it would be quite possible for some feeders to obtain unusually poor results from the warm mash fed either night or morning, so it will be seen that the only solution of the feeding problem is for every man to work it out for himself with his own flock even to the point of feeding gravel to his herds if they thrive on it. With some hens even a quarter ration of corn stops the egg production, while with others a more than half ration seems to bring the best results. Like the dairyman, the poultryman who begins to work out the rations best suited to his flock is the one who will win success.



## Early-day Methods



ARTIFICIAL incubation is said to be older than the present Christian era. Authenticated information gathered from records in Egypt and China would indicate that eggs of all kinds of poultry were hatched in countless numbers long before anything was recorded as to the existence of poultry itself, and while it does not seem worthy of consideration to quibble as to time and conditions that existed four thousand years ago, at the same time it is not out of place to state that we are not even good imitators of artificial methods as applied by the early-day Egyptian, who managed ovens that would incubate thousands of eggs at a time without thermometer or regulator. We copy the following from one of the New York City dailies:

"It has been proved beyond a doubt that incubators were in successful operation among the ancient Egyptians. These original hatching machines were about nine feet high, and were arranged with galleries for holding the eggs, which were heated from a central oven. A drawing of the cross section of one of these incubators is here reproduced. Some 386 incubators have been discovered in Egypt."

In substantiation of this we copy from a published report the following, which is credited to the pen of the United States Consul at Cairo. This deals with present, as well as past conditions. Much that is useless for our present consideration is eliminated in quoting from the report:

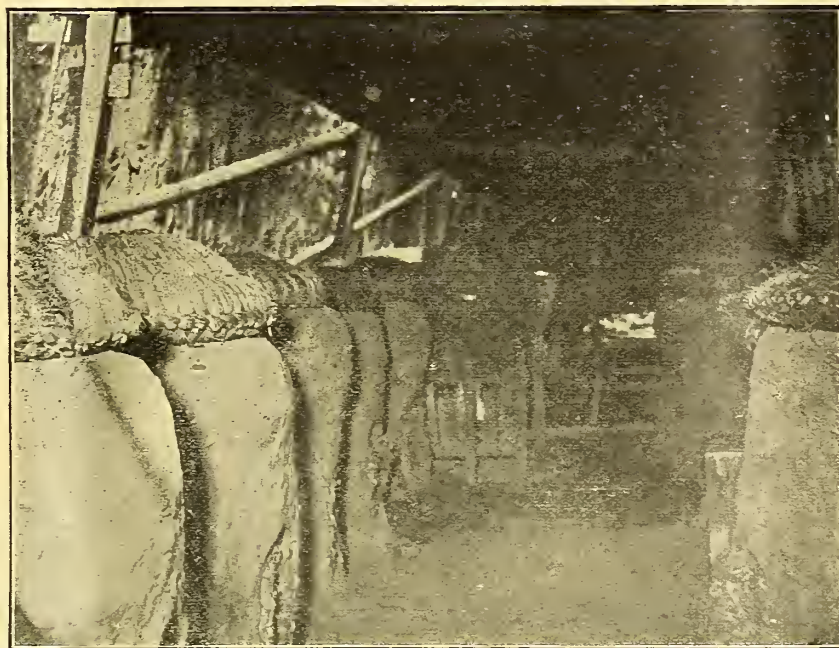
"In Egypt the artificial hatching of eggs is a regular industry, and the professors form a very close corporation, handing down their secrets from father to son. For three months in the year their time is completely absorbed by constant attention at the incubatories.

"Although very successful in the work, they never attempt the hatching except during the months of February, March and April. The minimum temperature in Egypt is reached on the 20th of January; after this it steadily rises, and by Easter the hot weather may be expected. This makes the process difficult and the ovens are, therefore, closed for the year.

"The population of Egypt is very dense, about one hundred per square mile. This agglomeration fosters the use of large incubatories, turning out each one from three hundred thousand to six hundred thousand chicks each season. In some villages there are from three to five of these establishments. They are generally near to some important market place, and each one apparently in the center of a district of about fifty thousand population. That is, each one is the center of a circle having a radius of five miles. It is this density of the population that has allowed this system of artificial hatching to become so very successful. At the same time it must be remembered that there is no other, as the native hen never sits on her eggs.

"Another important point is that the hatchers do not attempt to rear the young broods. Forty-eight hours after the chicks emerge from the shell they are scattered

over the country; overcrowding is thus prevented. This distribution is affected in a very simple manner. As the incubatory is near a market place, word is sent there that on such a day there will be so many young chicks. This news is quickly disseminated among the villagers, and on the appointed day the women arrive with their cages and purchase the young chicks, which are generally sold by the hundred for about \$1.50 per hundred. There are also a number of brokers or dealers who take the young chicks to the more distant villages. For this they have cages made from the palm branch. They are divided into two stories, each of which is divided by a partition, so that the smaller division only contains about two hundred and fifty chicks, thus preventing over-



INSIDE OF INCUBATOR HOUSE

crowding. Two such cages will transport each one thousand young birds, so that a man with a donkey easily manages two thousand of them, and by nightfall has probably sold the entire lot at a distance of five or six miles from the establishment.

"Once in the villages the chicks become the property of the women, who take great care of them during the first week. For two or three days they are kept in cages in lots of twenty or thirty and fed on broken grain, slightly moistened. At night the cages are taken into the houses and sometimes covered with a bit of cloth. After these first few days the young birds are strong enough to forage for a living; they are then allowed to roam about freely, and at night are kept in a sort of oven placed in a corner of the courtyard. This oven is made of unburnt clay and in shape is like the letter U laid on one side. The top is slightly perforated. The entrance is closed by a heavy stone to keep off foxes and other vermin.

"When the young chicks are fairly

feathered they are plucked perfectly clean and slightly greased. This adds greatly to their health, but detracts much from their beauty. It strikes a stranger as something extremely novel to see hundreds of perfectly naked chickens basking in the sun or running about.

"It is difficult to get any exact figures as to the number of these incubatories, but judging from those personally known to me, and their distances apart, I should estimate the number at one hundred and fifty, with an average production of three hundred thousand per season. This estimate must be well within the mark, as the population of Egypt is nearly seven millions, and fowls form a very large part of the Egyptian diet, so that forty-five millions eatable fowls would be a short supply \* \* \*

"In the month of January, about the 10th, fires are lighted in all the ovens and on the floor of the central hall. The entire building is thoroughly warmed to a temperature of 110 degrees Fahrenheit.

"The fires are at first composed of gelleh or dried cow dung, but when the eggs are placed in the oven coarse broken straw, mostly the joints, and sheep or goat dun is used. The fuel is placed in

but if they show an opaque substance within or the appearance of different shades, the chickens are already formed. The bad eggs are removed and the others are continued in their places for four days; at the expiration of this time they are again examined and then put back into their places, the same continual shifting from the inner to the outer part of the circle being observed. The doors of the ovens are kept hermetically closed by a small plank well caulked. This is removed in the forenoon and afternoon, and once during the night to see that the heat is kept at the proper point.

"After the eggs have been fifteen days in the ovens they are daily examined, and so delicate is the touch of the attendant that he can at once distinguish if the eggs be alive by the fact that it should be slightly warmer than his own skin.

"At the expiration of twenty-one days the chicks commence to emerge from the shells, the attendants constantly aiding them. They are placed in the nursery and left to dry for nearly forty-eight hours, but they are not fed. The sale then commences and in a few hours they are spirited away. The temperature in the central hall is maintained at 98 degrees Fahrenheit, and that of the ovens slightly more."

### THE CHINESE METHOD

At the present time the hatching of chicks and ducklings is extensively carried on in China. Records of that country are credited with showing evidences of the most extended artificial hatcheries having existed there over two thousand years ago. We will, however, overlook the ancient records and quote from present information.

In the seventeenth annual report of the Bureau of Animal Industry, United States Department of Agriculture, is recorded by G. D. Brill, special agent, what he saw of artificial methods of hatchery, which we copy from, and illustrate with cuts furnished by the Department. We do not use his words entirely for the reason that we make use of other information in connection with his report.

"In China all rural followings become more or less family occupations. About 1868, some men with whom I later became well acquainted, shipped from San Francisco for the China trade, going to and from Shanghai in a trading ship. On one of these trips they were shipwrecked off the coast of China. Eight of the ship crew landed near together, three of whom stole all they could from the rest at night, took the only boat the lot possessed and left never to be heard of again. Two of the five died of injuries and fever. The others made their way to Shanghai on foot, begging, trading and working for food and shoes. On every hand there was plenty of rice, fowls, stale eggs, and partly grown chicks. The eggs were hard boiled, the fowls stewed with rice, all bad in flavor. As time wore on and they became somewhat familiar with the ways of the country, they purchased live fowls and fresh eggs, which they prepared for their own eating much to the horror of the natives, who tried to prevent their so doing (they learned afterward from an interpreter that the natives thought the fresh-killed fowls and just-laid eggs would make them sick if cooked and eaten when so fresh).

"This experience led them to study the way of hatching the chicks, never having seen a brood with a mother hen. On inquiry they were directed to a public hatchery in a market town or a trading center, where they witnessed the sale of thou-

the trough between the hall and the ridge, and is lighted at one or more places, according to the degrees of heat required. This is the only means of regulating the heat. Thermometers are not used. The attendants endeavor to keep the heat a trifle greater than that of their own skin.

"While the oven is being warmed, notice is sent out to the villagers that the establishment will purchase eggs on such a date. The country people arrive with large crates containing from one to two thousand. These are purchased outright by the establishments at the rate of \$4 per thousand.

"The floor of the oven is covered with a coarse mat made of palm leaves; on this a little bran is sprinkled to prevent the eggs from rolling. The attendant changes the position of the eggs twice a day, taking those from near the manhole and placing them in the outer edge of the circle and vice versa. At the end of six days the eggs are held up one by one toward a strong light. If they appear clear and of a uniform color, it is evident that they have not succeeded;



sands of young chicks and ducklings, and the taking in of eggs of all kinds. These eggs were brought to the hatchery in baskets made of dried reeds or heavy grass. Those who purchased the eggs handled them with both hands, assorting into lots of hen eggs, duck eggs and bad or undesirable eggs. The good eggs were purchased or traded. The rejected ones were taken back by those who brought them. After all the young chicks and ducklings were disposed of the eggs that

basket is on a level with the top of the jar. Rounding full, they hold from one thousand two hundred to one thousand three hundred fifty eggs each. The outer cover is three feet high and three feet in diameter. The whole is covered with a thick mat or cover, so concaved on the under side as to leave a space of about six inches between the eggs and the under surface of the cover. This mat is made by taking the dirty old cotton of quilts and making it into a rope-

eggs being simply touched to the eyeball, a few being taken from each basket at irregular intervals. After four days they are all tested to see if there is a living germ in them by holding them up to the light and looking through them. For this purpose a board is set in the wall near the ground with two holes in it the right size to fit the eggs. The men lie down to do the work. The eggs containing no living germs are sold on the street for food at about one-sixth of a cent each (3 cash), or the original contract price of the eggs.

"After being tested they are kept in the jars for seven more days, being changed as before. This makes a total of eleven days in the jars. Then they are taken in a bamboo basket, resembling a dustpan, and rolled out on the mat on the platform above. Here they remain until hatched. The only heat they receive is from the room, except that when the weather becomes cool they are covered with another quilt like the one beneath them. After they are hatched the chicks are put in shallow baskets for a short time to gain strength, and they are ready for sale.

"The average hatch is from sixty to seventy per cent., above seventy per cent. being considered very good, and below sixty per cent. very poor. After testing, they say that ninety per cent. of those remaining will hatch, barring accidents. Sometimes they are tested several times to see if the germ is alive. As with everything else in China, they have no fixed rule for this work.

"One man is always in the room night and day, except for very short intervals. The eggs are never sprinkled with water or moistened in any way. Duck eggs are treated in the same way, except that they are left in the jars for fourteen days before being placed on the platform.

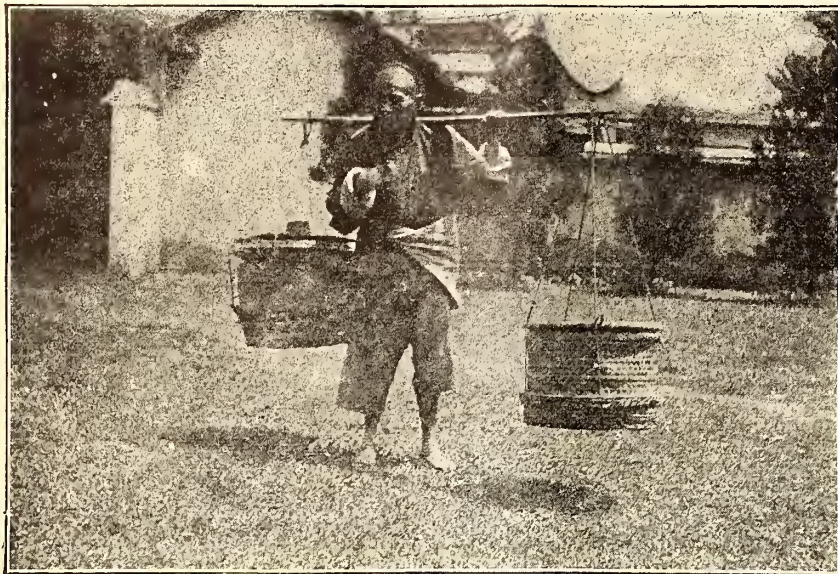
"The man who does the testing of the eggs, both as to temperature and fertility, requires long training, but when he be-

only \$4 to \$5, besides his food and one suit of cotton clothes.

"The fuel used is the small pieces of charcoal broken up in transportation. This costs in Hankow about 20 cents per one hundred pounds, and is far cheaper than the larger pieces and burns much slower. To make it burn still slower, it is generally covered with ashes, unless the weather is cold.

"The eggs are contracted for just before or after the Chinese New Year, and a certain amount of money is paid down at that time. It is supposed to be about half the price of the output of eggs for the season of four months. The price paid is about 3 cash each, or 16 cents per one hundred. Almost every household, town, or country village keeps a few hens—I should judge from five to twenty to the family, but, as each village contains several related families, one contract may cover quite a quantity of eggs. If the incubator owner runs short of eggs, he sends men out to buy them, and in that case he may pay 20 cents or a trifle more per hundred.

"The chickens are sold to peddlers, who come to the incubator and buy them. The peddlers pay from 50 to 75 cents per hundred, and then take them around the cities and villages and retail them at 1 to 1½ cents each. They are carried in shallow baskets, one above the other, suspended from the ends of a carrying pole. Very often, instead of receiving money for them, they trade them for old iron, brass, etc. Sometimes they are put with hens, but more often they are kept in baskets for a few days and then allowed to run around the house during a good part of the day. In one or two cases I have seen them in baskets over charcoal fires in cold weather. In one instance, I saw a small coal of fire put in their rice so that they might find the rice, or, as the man said, 'see to eat it.' At a very early age they learn to pick up the greater part of their living. When from two to four months



BASKETS FOR CARRYING CHICKENS

did not hatch were sold for almost nothing. These and the rejected eggs went back into the outlying districts. This undoubtedly accounted for the poor quality of the eggs sold for eating where they had traveled."

The buildings are quite simple of construction, just sufficient to protect from sun, rain and winds. The one in which the accompanying photographs were taken was about eighty-four feet long, ten feet wide, and nine feet high to the eaves. The walls on the outside are made of sun-dried brick, about six inches thick, and whitewashed. They are plastered with mud on the inside. One side wall adjoins living rooms and is made of reeds plastered with mud about an inch thick. Sometimes all of the walls are made of reeds and mud. The roof is of native tiles, laid very loosely, with some mats on the underside. As in nearly all Chinese buildings, the weight of the roof is supported by the wooden frame inside of the walls, which also helps to support the walls. The floor is of beaten earth.

Completely filling one side—and the other also, except for a door space and sufficient room for a man to test the eggs—are round barrelike mud-and-brick walls, with earthen jars set into them, very much as an old-fashioned farmer's boiler sets into the brickwork. The jar has either a flange or bulge in it which supports it on the brick and mud wall. It is very deep and comes within six or eight inches of the ground. The conical bottom is filled with ashes to the depth of eight or nine inches to keep the temperature more uniform and avoid sudden changes when doors are opened and there is a strong wind. On the top of the ashes is thrown a bit of an old mat or similar material to keep the baskets of eggs clean and to prevent raising a dust when they are taken out. For holding the eggs a basket is used that leaves a space of about an inch between it and the inner wall of the jar. The top of the

like mass about two inches in diameter and then coiling it round and round and binding it with rice straw. When completed, it is from two to two and one-half inches thick.

"The barrel-like oven or stove has an opening about one foot in diameter, for putting in the fuel, the lower edge coming down to the ground."

Inside the space is so narrow between the platform and wall, that the men at work can brace themselves against the wall while changing the eggs with both hands. The light comes through paper-covered windows. The door opens into a living room to prevent the influence of changeable weather being felt.

Mr. Brill states as follows:

"In this room were twenty-two of these ovens, holding on an average of one thousand three hundred eggs each, or a total of fourteen thousand three hundred. On the two platforms above were nearly as many more, or a total in the room of over twenty-six thousand eggs, the deficiency being accounted for by those constantly tested out.

"The incubators begin running about the middle of March and continue for four months.

"After the eggs are put into the baskets, a slow, smoldering fire made with very fine charcoal is started. After a day the eggs are taken out, a handful at a time, and put into a similar basket which stands on a four-legged frame beside the oven, at a convenient height for a man to change them without stooping. After this they are changed from two to four times each day. If the temperature is about right, twice is sufficient, but if they get too hot the covers are lifted, the mat covers taken out of the openings to let air in around the bottom of the jar, and they are changed to another basket and left out for a short time. If very hot, they may be taken out on flat basket-work trays for a short time. In testing the temperature no thermometer is used, the

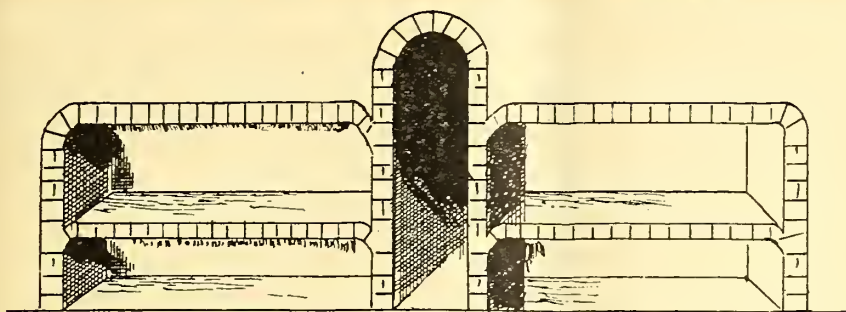


BASKETS FOR HANDLING EGGS

comes an expert he receives very large wages for China. They often get from \$17 to \$20 per month for the four months, while his helper, a little less skilful, receives about half as much. A comparison of the wages paid these men with those paid a farm laborer will show their large pay. For a year a farm laborer receives

old the roosters, except those kept for breeding, are caponized. This is done by a man who travels about the country for this purpose and who charges about 1-6 of a cent (3 cash) for the operation. Very few ever die from the operation. They bring more than roosters or pullets, and are often kept until eighteen months





EGYPTIAN OVEN

or two years old. They then weigh from five to seven pounds each.

"Many of the chickens closely resemble Brown and White Leghorns and weigh two and one-half to three pounds each. Those of Honan are much larger. There is no careful breeding, as they all run on the street and mate indiscriminately. They are of all colors and with both smooth and ruffled feathers. The roosters are often kept for breeding purposes until several years old. Very often, in order to prevent the neighbors from stealing them, they dye the white ones fine pinks, blues, greens, etc. This applies both to small chickens and full-grown fowls.

"Ducks are sometimes kept about the house, as are the chickens. In one case I saw the father of a family going to the field with his plow on his shoulder and his wooden shovel in his hand, while the mother followed leading the water buffalo and carrying a duck by its wing, and then came three children, each carrying two ducks by the wings. They were going to work in the rice fields, and were taking the ducks along to pick up the insects. In this way the insects would be destroyed and the ducks fed. In some places it is a very common sight to see a few in the rice field while it is being plowed. The greater number of ducks here, however, are kept in large flocks, often of several thousands. In this case some point is selected near one of the numerous shallow lakes and a small mat hut is erected. Near this a corral is built of bamboo splints, which can be rolled up and moved like a woven picket fence. This, with one or two very small light boats and a primitive cooking outfit, about completes the camp. Its entire cost, including boats, aside from ducks, should not be more than \$7. At 7 or 8 o'clock in the morning they are let out and driven to some good feeding ground in the very shallow water along the lake shore. Here they feed on the aquatic plants and insects until near sundown, when they are driven home by the man who watches them. He uses a long bamboo pole to push along his boat and also to drive the ducks. After they are in the corral they may be given a little rice or brewers' grains, or the refuse of non-saccharine sorghum after the whisky has been distilled off. The larger part of their food is what they pick up themselves.

"When making a contract for these eggs the incubator agent generally specifies that one drake shall be kept to every ten ducks. The young ducks are sold from the incubator at 75 cents to \$1 per hundred. They are bought by fewer people than are chickens, but in larger quantities. They are fed, when very small, the maggots from the manure tanks and receptacles. This failing, they are fed cracked rice. While small they are generally watched by children, when not shut up.

"In the autumn or early winter the drakes are sorted out and driven to mar-

ket like a flock of sheep. They are not only driven along the roads, but also on the rivers as well. If only a few are to be marketed, they are carried in open wicker baskets made of bamboo. The ducks are of the small brown and white varieties and weight from four to seven pounds per pair. So far as I know the drakes are never caponized."

To this we add gleanings from others who tell us that the eggs are constantly being moved from one kettle to another. To illustrate, the pot at the end of the row to the left is vacant; the one next to it is filled with eggs to-day. To-morrow or perhaps in the night, the eggs one by one, will be lifted from number

Others who would imitate or follow as closely as possible the plans of their aristocratic neighbors have smaller buildings with a different construction, where hatching is carried on without the assistance of the charcoal fire. The different construction of receptacle, as illustrated here, is much like the large size ash cans used in this country. The bottoms of these cans are covered with several inches of heated rice hulls. A layer of eggs and a layer of heated rice hulls are alternated to the top of the receptacle, when the can is placed thereon. There is enough of these cans to keep the force employed constantly busy in packing and repacking eggs with heated rice hulls, so as to keep the proper temperature for hatching. The only test that is made for temperature is that above described of holding the egg against the corner of the eye. Most surprisingly successful hatches of both ducks and chickens are made through following this method. After the young in the eggs has feathers, as above described, they are removed to shelves, and cared for, the same as we have described above.

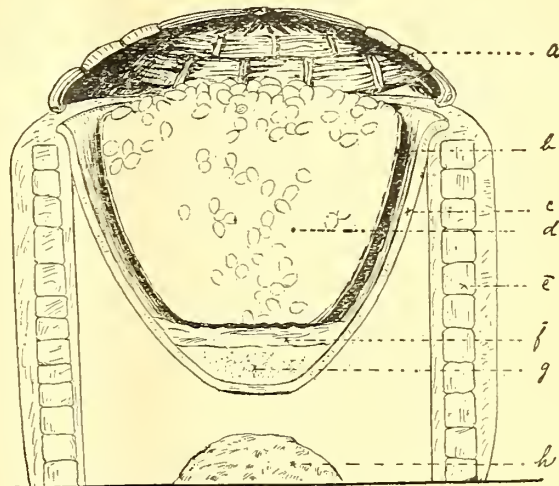
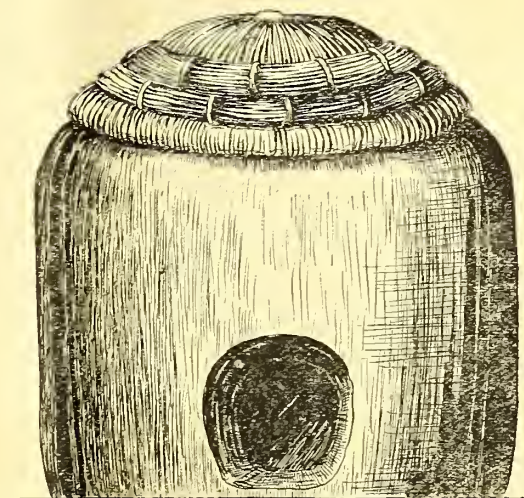
Of course, the even temperature of the climate, and the continued regular heat ranging close to a hundred, makes this kind of hatcheries possible. If we in

## Proper Feeding



LL dairymen and those who keep large herds of cattle when spring approaches fear the injury to the milk flow from the growth of weeds and plants which, when eaten by the cows, taints the milk, the cream and the butter almost to the ruinous point. A few

hours is sufficient to ruin the product of the whole herd, if enough of the onion or some other unsavory plant is in the pasture. A similar danger must be avoided by poultry breeders. Because a fowl will eat unwholesome food is no reason why offal or undesirable stuff should be fed to them. Camphor, onions, garlic, and even turnips, if eaten to a considerable extent, ruin the flavor of the eggs. Often fresh-laid eggs but a day or two old will have a most unsavory flavor, caused by the hens gaining their food and their water from the sloughs and manure piles of the barnyards. No one should permit this who keep poultry for the egg will have its influence over the flavor of the meat of the hen. Frequently the eggs and the poultry that are discarded as bad are



A CHINESE INCUBATOR. THE EXTERIOR AND CROSS-SECTION

two and gently moved over and placed into number one, so that the eggs that were in the top of the receptacle will be in the bottom when transferred. The eggs from number three are removed the same way into number two. This changing back and forth from one receptacle to another is carried on continually for fourteen days. When the eggs have been within the warm chamber for fourteen days, the young within the shell is said to have feathers and able to keep itself warm. The eggs are then removed from the warming pots and laid upon the shelf above on cloths spread thereupon. When the weather is sufficiently hot, no covering whatever is placed over the eggs. If at any time during the day or the night the outside temperature is reduced, covering like blankets and comforts are placed over the eggs. This attention keeps the eggs at the proper temperature to hatch, and the most successful hatches ever heard of were made in this way, to the knowledge and in the presence, as might be said, of Mr. Brill. This manner and method of incubation is continually carried on by this wealthier organization or family of experts in this locality.

this country, in the construction of an enormous or mammoth size incubator, would make use of a system of rooms within a room until the center room might be kept at an even temperature of nearly a hundred, something of similar construction might be carried on with us.

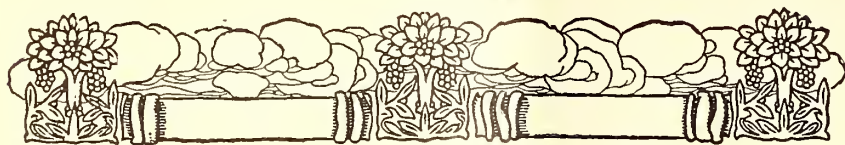
The Chinese plan is considerably aided through the unusual strength and vitality of the fertility of the eggs. The small flocks of poultry that roam about the backyards and in the streets adjacent to the homes of the owners are of an unusually strong and vigorous quality. The ducks that continually walk and hunt for their food lay eggs having equal vitality. The constitutional strength of these flocks produces eggs that will respond more readily to these artificial methods than might perhaps the eggs from less vigorous stock. On the other hand, the indomitable perseverance and continued activity of the Chinamen for full twenty-four hours a day, if necessary, to attend to the work, leaves no stone unturned for success. Patient, industrious, untiring application, year after year, at this constant occupation lends its assistance to success.

in this condition as the result of eating unsavory food.

We knew of more than a thousand broilers under one roof in a broiler house that were unfit to eat, caused from having been fed a cheap, tank stock of ground meat meal, so called. The broilers, when killed and cooked, had the flavor of bad, unsavory meat about a slaughter house. It took over two months running on the farm for these chicks to be fit for market poultry at all. Another flock of fowls with which we were familiar were destroyed for the whole season for market poultry and egg producers, having been fed upon corn that had been stored in a warehouse where gum camphor was kept. Even the bones of the poultry became tainted with camphor. The only surprise was that it did not kill the whole flock.

These occurrences should teach us all the lesson of proper feeding in more ways than one. Feed the fowls the kind of food that you would be willing to have turned into your own living. Consider this when you feed them, and only give them wholesome, healthful food.





## Irish Crammed Fowls



WE HAVE had numerous requests for information as to the possibilities of sending American poultry and eggs into the English markets. We clip from *Feathered Life*, England, the following, which seems to throw light upon this subject, and points conclusively to quality as the one assurance of profit.

"London is generally believed to be practically the only market in the United Kingdom for the sale of crammed chickens. Crammers usually send their consignments to salesmen in Leadenhall and Central Markets, and their experience has shown that for the very best and finest birds of five pounds weight and upward London is undoubtedly the most profitable outlet. The 'returns,' in some instances, however, have displayed great disparities in prices in the same consignment, and this is alleged to be due to difference in size and variation in quality. Where the latter is the case, the remedy lies with the sender, who should exercise more care in selecting his birds for fattening, and in grading them for sale purposes. In the former case it is possible that for sizes under five pounds as good or better markets exist in the provinces. The market in London is apparently never overstocked with crammed birds, best quality, five pounds each and over. Birds of inferior quality and smaller are often a drug on the market, and are cleared at a price that can leave no margin of profit to the crammer. These smaller-sized birds, if of good quality, might be sold at paying prices in English and Scotch cities, which are nearer to Ireland than London, and in which the

market for high-class chickens, three to five pounds in weight each, is rarely over-supplied. The demand for high-class poultry in Great Britain has increased largely in recent years, and is still increasing. This demand is partly supplied by Ireland, Russia and the United States of America. The Russian supplies compete more particularly with the Irish uncrammed chicken; the American supplies, sold largely as 'milk-fed,' fill the demand for which, it is suggested, the smaller crammed Irish chicken should compete.

"Crammers in Ireland are generally conversant with the market conditions in London as to packages, packing, and handling; but very careful inquiries have been made as to the conditions to be observed in developing a trade in the provinces of Great Britain, and the following suggestions are tentatively put forward:

"The Birds: Black-feathered varieties, provided they are of good quality, are not objected to; size, three pounds to five pounds. Indian game, or crosses with that breed, are preferred in South Wales and the West of England; size, three and one-half pounds to four and one-half pounds.

"Preparation: The birds should be killed by dislocating the neck—if intended for cold storage, birds should be bled. The birds should be plucked clean (and carefully, to avoid 'tearing'), except at the neck and head; in those intended for the West of England markets, however, the wing feathers should also be left on. They should not be gutted, or only partly in hot weather. Birds may be packed 'shaped'—i. e., as for London—except for the West and North of England, where they should be sent straightened only. In no case should the breastbone be broken.

"Package: This should be a wooden, non-returnable case, to hold one dozen in one layer, the top to be nailed—not tied—and with holes all round for ventilation.

"Grading: This is a most important matter, and the cases should be in sizes for birds three pounds to three and one-half pounds, three and one-half pounds to four pounds, four pounds to four and one-half pounds, four and one-half pounds to five pounds in weight; moreover, not more than a half-pound should separate the largest from the smallest bird in each case. This, if the birds are of even quality, will insure uniformity of price in each case, or enable the birds to be sold by weight, which is fairer to all parties concerned.

"Packing: Clean white paper should be placed on the bottom of the case inside before commencing to fill, the birds being then laid in and out—viz., head and tail, tail and head—another piece of paper, folded, should be placed over each head and neck and under each body, a further piece each side of the case, with a clean, well-fitting piece over all.

"Branding: All cases should be branded with the initials only of the sender and the grade, thus: 'T. K., 1 doz, 3 1-2 lb.' N. B.—It is necessary to 'cool' the

birds before packing in the case, by keeping in a very cold room for some hours. In very hot weather it is advisable to put the birds in a 'cooler' or refrigerator to lower the temperature of the bird to 32° Fahrenheit before packing. If intended for cold storage, this is essential. It may be necessary to send one or two lots on consignment when commencing business with any trader, to enable him to judge of the quality. If this proves satisfactory, and the shipper is found to be reliable, and 'presenting' his produce fairly, there would appear to be no difficulty in securing regular orders at market prices. In order to test the value of the foregoing recommendations, trial shipments to different centers in England have been made by various crammers in Ireland. It appears that where the conditions have been met and the supplies continued of high quality, a healthy demand has been created, which is capable of considerable development.

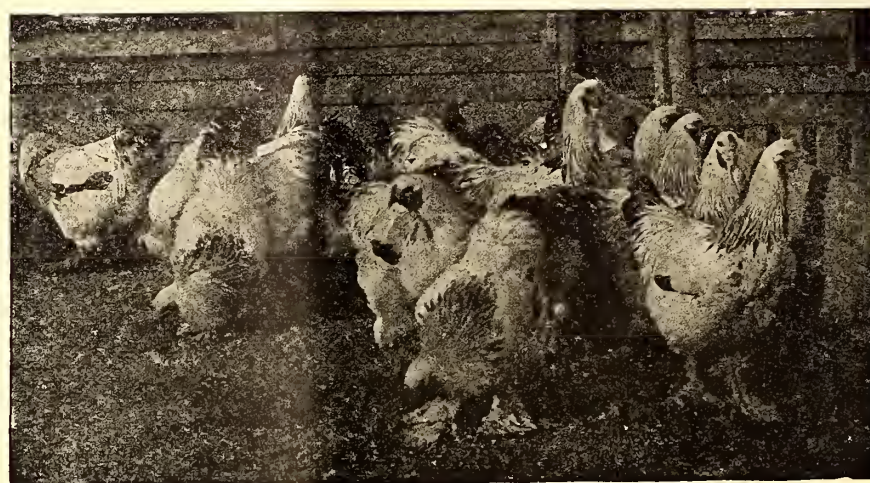
"It must not be assumed that chickens can always be bought at current rates in

## Value of Green Cut Bone

In the perusal of each and every egg test that has been made in the last five years, in the reports of those successful in handling hens for a large egg production and the reported experiences of small handlers throughout the country, one of the most prominent features is the fact that animal food of some kind must be made use of or the largest egg supply can not be obtained.

There are many kinds of animal foods. Milk, which is considered the most natural of all animal foods, is largely used. On this subject we present an exhaustive article in the columns of *THE FEATHER*. Meat products of all kinds are employed to a greater or less degree. All of these products have their commercial value and must be used in proportion to the cost of same as compared with the return received from the sale of the products.

The nearer we come to nature's food supply, worms, bugs and insects of all



GOOD FOR CRATE FATTENING

Ireland, crammed, and sold at a profit. In certain months of the year, on the contrary, the work must result in loss, and during a big game season this loss may be very considerable. From a profit and loss standpoint the period from middle of September to middle of December is the most difficult time of year for the crammer; it is not easy to stop the work during these months and take it up again when prospects improve, neither is it possible to have at all times orders awaiting the time when chickens are ready for killing. The ideal condition would be for the orders to be in hand, and the birds then to be bought at a price that would leave a margin after cramming and other expenses were added. This idea may be worked for, though it is not easy of attainment."

## Quality at the Fall Fairs

Since the opening of the fall fair season, there has been one continual round of poultry displays. Better quality came to the fall fairs than ever before. Many of the old-time regular exhibitors met with surprises at the hands of the specialists who brought their best to compete with them. This is a tribute to the ability of the individual breeder, who pays special attention to one or two kinds, so as to have them in the pink of condition, and but once or twice during the season.

sorts, the more likely are we to have a greater return in egg production. There is nothing so near to the natural animal food supply as green cut bone. This contains living animal food, bone meal, fat and egg forming, and body sustaining elements. There is no other kind of animal food that comes so near to nature's demand as the green cut bone.

There is no one instrument of household machinery so valuable as the bone cutter, unless it be the sewing machine. The sewing machine is an absolute necessity in the household; the bone cutter an absolute requirement for success in the poultry house. Wherever bones, gristle, or scraps of any kind that are fit for poultry food can be obtained there the bone cutter should be at work grinding them into small particles to be fed to the poultry. Table scraps of all sorts can be reduced to small particles through the grinding mill and fed to advantage. There should never be any waste of any kind around the home as every particle of this kind of refuse could be ground through the mill and turned into valuable food for the hens.

Tons of bones that are wasted through being thrown to the dogs or used in the soap kettle might be turned into eggs if ground up into fine particles. Bones that would make five cents' worth of soap if reduced in the mill would produce ten times that amount in eggs. Use every kind of meat and bones for the poultry, and you will gain full return from same.



PAIR OF CRATE-FATTENED FOWLS



## Only Imitations



R. EDWARD BROWN, secretary of the National Poultry Organization Society, and assistant director of the Agricultural Department, University College, Reading, England, spent the summer in America. Mr. Brown seems to be the acknowledged authority on poultry matters relative to market poultry and eggs in England. On his return to England, he was interviewed by the editor of Poultry, who published the following statements as having been made by Mr. Brown.

"In pursuit of his investigations Mr. Brown traveled over six thousand five hundred miles after arriving at New York and visited between fifty and sixty poultry plants and packing establishments, besides many colleges and experimental stations. And, as a result of that experience, he ascertained that the utility poultry farm as a paying concern does not exist in America; it is what may be termed the combination farm that is a success—the establishment at which the sale of stock birds and eggs for hatching is conducted in cooperation with marketable fowls and eggs and fruit growing. As regards table poultry, Mr. Brown is of the opinion that America is distinctly behind us, and, apart from the famous South Shore roasters, he did not see a decent table fowl during the whole of his tour, due, no doubt, to the fact that the farmers have no knowledge of how to fatten, and have no scientific method of feeding. Eggs, too, are little better than the table poultry, and Mr. Brown declares that he could not get a really palatable egg in New York, since, except around the large cities, facilities for marketing produce are by no means good. As a matter of fact, before many eggs reach New York and Chicago from some of the western states, they are three weeks old.

"As regards large poultry farms, Mr. Brown visited plants where from four to five thousand laying hens were being reared, and half a million eggs annually marketed. These establishments were stated to be paying concerns; but on that point Mr. Brown is doubtful in some cases, while others he considers might show a fair commercial success. But as proving what is thought of the possibilities of poultry farming, he instanced cases where shrewd men of business had invested considerable sums of money in these large establishments.

"Educationally, we are also in advance of America, but that country is ahead of us in experimental work, since the various colleges and teaching centers are generously supported in the form of state and governmental subsidies, for the purpose of research work. And from what Mr. Brown saw of the colony-house plan of rearing poultry on Rhode Island, he is convinced that we may look forward to a great development of poultry-keeping in this country."

We were familiar with the fact that Mr. Brown had not found the conditions he was looking for in this country. Sim-

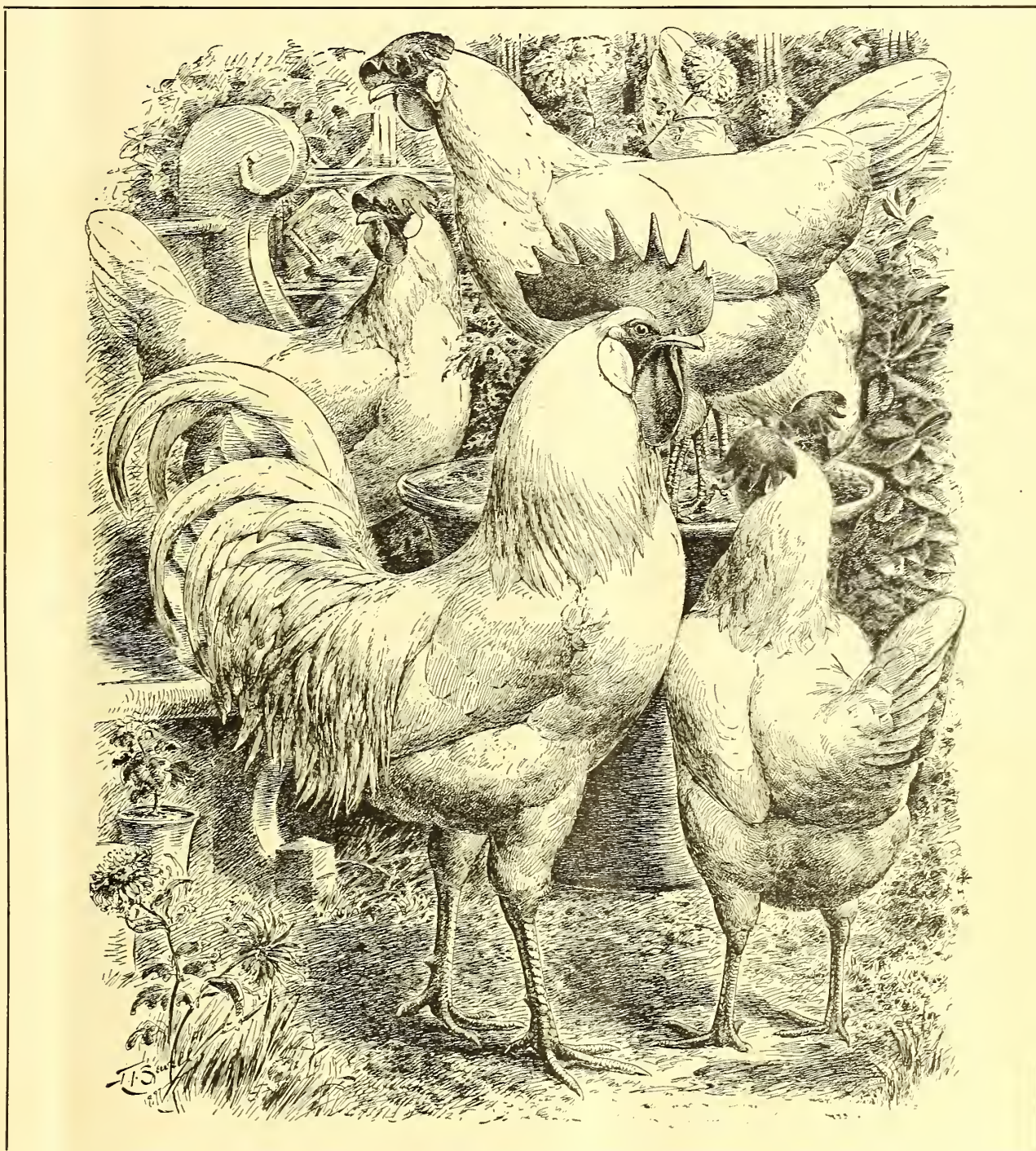
ply because no one in America has been content to keep several thousand hens for market poultry trade alone, is not sufficient evidence to draw the conclusion that Mr. Brown has reached. If the American is far sighted enough to see the advantages of the combination of fancy and utility fowls, fruit growing and

Mr. Brown states that he only met with poultry fit to eat in the South Shore district of Rhode Island, and that table eggs were scarcely fit to eat. Whenever any one finds fault with poultry and eggs as served in the better hostleries of America they certainly must be at fault. The late Wm. Cooke informed the writer that some of the best poultry he had ever eaten in his life he ate in England, it having come from the finishing plants of Kansas City clear to England, and that the eggs served on the table in New York and Chicago hotels, where we were with him, were the equal of the best he had ever produced on his own English farm. Undoubtedly there can be great

## Two Valuable Books

We have just received from Messrs. Longmans, Green & Co., of New York, copy of Mr. Edward Brown's new book, "Races of Domestic Poultry." This book might be termed an encyclopedia of all known breeds and varieties of poultry, water-fowl, and turkeys. We imagine that every breed known to the world is described in this book. Mr. Brown has just finished a tour of America, visiting the poultry districts of this country in search of information and to learn whether we were in advance of his country or not.

This new book will be valuable to every one interested in the origin of fowls. In



WHITE LEGHORNS

ple raising to earn a better living, why should this count against his ability to make money from market poultry. We are perfectly willing that Mr. Brown should think far better of his own country than of this. He should believe in its educational advantages, he should believe everything is better at home than abroad, but he need not show this quite so plainly where there is such an opportunity for a different opinion.

improvement in handling poultry and eggs in America, and England as well, but no one is more expert in the marketing of their products than the American people.

"Please accept my thanks for copy of The Feather. I consider it the best poultry magazine I know of at the present time."—Henry K. Coffran.

In addition to this, Mr. Brown is author of "Poultry Keeping as an Industry for Farmers and Cottagers," a book written in the interest of market poultry. Both of these are valuable as an addition to every poultry library in the country. Mr. Brown is an affluent, interesting and careful writer on all of these subjects. Messrs. Longmans, Green & Company, 91 Fifth Avenue, New York, has the American agency for these books.



## Hints to Beginners



**D**O YOU realize that the fall fairs are upon us? Many fairs are now over, but some are still to come. If you have not yet tried to show your stock at a fall fair try it this year. Get your best birds picked out a couple of weeks before the fair and give them special care and attention. Have them in splendid condition and see that they never go to bed hungry. I am not prepared to say what is the best feed to put birds in show condition. Some writers claim Indian corn will slicken them better than anything else. I am not sure about this, so do not feel like advising it. However, I do not advise that you feed yellow corn to white-plumaged fowls, as I am positive it tends to make their plumage creamy. Whatever you feed, I say feed sound grains only. Good sound corn and oats will put fowls in as good condition as anything I have ever tried. I know that many breeders will not agree with me here, but that has been my experience. I can get better results from both young and old stock by feeding corn and oats than from any other feed. I also keep dry bran before my fowls all the time, and find it is very beneficial, and think it pays handsomely. Keep fresh water before these fowls all the time and supply some kind of animal food.

Handle your birds often and keep them as tame as possible. Be sure they are free from all disqualifications. If you have a Standard of Perfection, study it closely, and if you do not have one buy a copy by all means, as you can not expect to show poultry successfully without one. Take your poultry to the fair and show it. If you fail to win, don't find fault with the judge, but simply ask him where your fowls are weak. If your fowls are not good enough to win, go home with a determination to breed birds next year that can win. Don't get jealous of the breeders who carry off the blue ribbons, but congratulate them on their success and you will feel much better than if you had misused the winner. A man who can not stand up and face defeat has no business exhibiting poultry. Even if you don't win it will do you much good to show your stock and compare it with others. It will teach you lessons that can never be learned through books and papers. Have some neat business cards printed and tack these up on your coops, and you will advertise your stock and probably make some sales.

Show at all the fall fairs to be sure, as they are just as important as real poultry shows. Many of our county fairs hold better poultry shows than many of the winter exhibitions.—Plummer McCullough.

## For Success

We copy from a contemporary the following: "It is quite easy to start a poultry paper; more difficult to continue therein; most difficult to keep up with the pace now being set by some of the better-class journals." The demands of the times necessitate better things all along the line. No one can hope to hold the attention of the people any longer with ordinary, every-day propositions. Better and better all the time is the demand of the hour. Those who meet this demand are most successful.



## Maltese Hen Pigeons



**H**ARDLY a species of pigeons combines in itself so many good qualities as the Maltese Hen Pigeon. It offers a large field of usefulness not only to the fancy and quality breeder, but also to the practical raiser, and this accounts for the headway the breeding of this class has made in the old country and also on the other side of the "Great Pond." By its proud, imposing, and straight bearing, this pigeon is the delight

really clear-bred Maltese. It is important not only to look for weight and size, but one should also consider the outward peculiarities of race in order to get a full view of their qualities.

To establish a standard for this species the following prominent qualities will have to be considered: Beak: pretty short, strong, arrow-headed (wedge-shaped), blunt toward the top. Head: long-stretched, getting narrower toward the beak, a little arched and compressed sidewise, with horizontal carriage. Neck: extremely long and very strong, stretch-



HOMER

of every fancier, while on the other hand, this heavy and fleshy bird offers every inducement for its breeding in a commercial respect. This kind is less subject to illness than any other species, and if only some care is used losses worth speaking of will be entirely avoided. The fertility is exceedingly great and undreamed of successes will be seen if irreplaceable breeding stock is used.

The raising center, no doubt, is Upper Austria, where this pigeon is said to have been imported from East India and Italy and where it attained a high standing in the course of time. By degrees, also, Bavaria and Saxony partook in the breeding, and as a matter of fact the best of material can now be had in these districts. Great quantities are every year now being imported by German and Belgian dealers, either direct or via England to the United States. Especially some dealers in New Jersey and Massachusetts import big lots at comparatively low rates among which are often splendid specimens which find ready buyers at very high figures. It is to be regretted, however, that one has lately recommended crossing the clear-bred Maltese with Homers and Runts, a fact which renders faultless offspring impossible and consequently also the continuation of

ing broad from the shoulders, losing in build toward the head by degrees, everywhere nicely rounded off, carriage very erect without great curve. Breast: very broad, full projecting, carriage pretty high. Back: very broad, almost flat, short and inclining toward the tail. Wings: not big, but very muscular, lying firmly on the body. Tail: extremely short, broad, and cut short. Carriage somewhat extended and borne under angle of not less than forty-five degrees. Legs: thighs somewhat set apart, uncommonly long, muscular, very straight, carried outside belly plumage. General appearance: very erect, strong and plump figure, magnificent bearing imposing and straight. The picture of Maltese Hen Pigeon shown in this number is taken by the special dealer and breeder of Maltese Hen Pigeons, Mr. H. Unzelmann, Ottostr. 32, Hamburg, Germany, and is one of a set which were imported by this gentleman from Upper Austria, and destined for a dealer in New Jersey, U. S. A. To get a photograph of these birds in their imposing and proud bearing is very difficult and can not well compare with nature, which shows the birds in a more favorable shape. At all events the photograph gives the type of the Austrian standard Maltese.

## Living Game Birds



**S**HORT time since we were favored with a call from Mr. Charles Payne, naturalist, of Wichita, Kans., a friend and coworker with Mr. Edward Schmidt, the bird dealer of this city. Mr. Payne informed us that he is encouraging every one whom he can in-

fluence, who are properly situated for the work, to grow pheasants of all kinds, believing that more money can be made from the growing of pheasants than from any other kind of fowl at the present time in the western country.

The question of the prairie hen, the wild pigeon and turkey was also considered. Having learned through other sources of the reappearance of the wild pigeon, the subject was broached to him. He informed us that there were three theories set forth as to the disappearance of the wild pigeon of years ago from this continent. Some claim that they went to an open, warm, uninhabited country above and beyond what we call the North Pole. Others claim that they went to the unexplored wilds of Africa, South America and the isles of the sea. The fact seems to be well authenticated that some of them have returned to the northern section of the country on the Pacific coast. This is hailed by the advocates of the open northern country as evidence that they are coming back from that locality.

Mr. Payne thinks that there is but little chance of the prairie hen, or prairie chicken as it is called, ever regaining even a portion of their former number. They grow scarcer every year and he stated that the most peculiar feature of it all was if any one presented to Congress a request for reservation and protection of wild birds and wild game of all kinds, the project was looked upon with suspicion as if there might be graft connected therewith.

Our Government has permitted the destruction of the wild pigeons, prairie chicken, quail, pheasants and small game of all kinds, the complete destruction of the buffalo and driving out of sight the wild horse of the prairie. Thousands of the white heron, or aigrette, are slaughtered simply to furnish a little plume for decoration. No one seems to realize that the Easter parade, illustrated and written about throughout the world, consists largely in a gala day funeral procession of thousands of beautiful birds and animals that must be slaughtered to decorate those who take part in these parades.

## Mark the Turkeys

One should mark their turkeys for future identification. The leg-band bearing your initials or number can be readily placed on the shanks of every young turkey about the time they begin to wander far from home. Some mark their turkeys by clipping the toe-nails, or one or more toes or different toes. Many different brands of markings can be made use of by this means. The toe punch may be used and identification marks stamped through the toes. Some use a rubber stamp and indelible ink to brand the wing feathers. This can not be depended upon.

A needle and indelible ink may be used to prick an indelible ink mark into the web of the flesh and skin at the union of the pinion with the second joint of the wing. This can be done and the mark never obliterated.





## Domestic Ducks



IN A recent issue of THE FEATHER we gave considerable space to the Muscovy duck, one of the least known, and, perhaps the most valuable of all the duck family for many purposes. In addition to this, there are many other varieties which

have attracted more than passing attention in the last few years, from the fact that duck-laying contests have been carried on for three seasons in Australia. Among these the Indian Runner and the new variety known as the Orpington

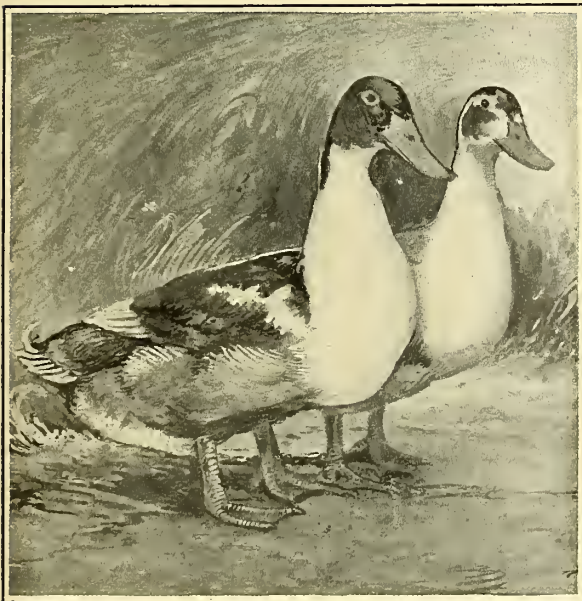
from the Mallard. They have been bred for many, many years in France. The greatest improvement in size, color, and marking, however, should be credited to the English fanciers, who have given great attention to these and to the Aylesbury variety. The Rouen is a large duck when seen of the best quality in the show-pen. They are built very low to the ground, very heavy in body, long in breast, and quite apt to take on an unusual amount of fat if fed food with that purpose in view. The male is colored almost like the wild Mallard duck. The female has a ground coloring of brown, the feathers penciled with dark or black marking, which follow the shape of the feathers. Some of these have been so carefully bred that their plumage is, indeed, most beautiful and attractive. They average from eight to ten pounds each, according to age and care in breeding. They are unusually well adapted for winter roasting ducks. If they are permitted through several generations to do so, they will hatch their own young and attend them most carefully. The Rouen does not mature quickly. A Pekin will gain more size and weight when ten weeks old than the Rouen will when sixteen weeks old. They do not take on fat until fairly well matured. For a winter roasting duck, nothing is more desirable than the Rouen.

The Aylesbury is a pure white duck about the size of the Pekin duck, somewhat longer in body, with the bill very pale in color. They, like the Rouen, are grown specially for roasting ducks, and are not so desirable as the Pekin for broilers. In the markets of England and France, the Rouen and the Aylesbury have the preference. They will stand a better finish for winter roasting ducks than the Pekin, the flesh being more substantial and the carcass heavier, the flesh of the Pekin being softer and more oily.

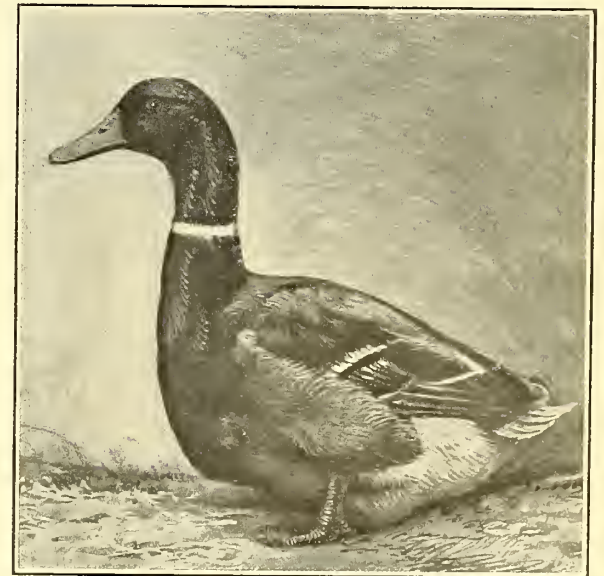
The Pekin duck had its origin in China. These ducks are grown in almost countless numbers in their home country, being raised in large flocks and marketed, as has been described in the columns of this paper. This duck has become the great broiler producing duck of the world. Many hundred thousands of them are grown each year in this country and marketed as broiler ducks at ten weeks of age, in many instances being brought to the dressed weight of from three to four and one-half pounds each at ten weeks of age. This variety has been so continually described in all the papers and journals devoted to poultry as to make it quite unnecessary for us to give more space here for their description.

At the present time the Indian Runner duck is being cultivated to a greater extent for laying qualities and as a market duck. In writing of the Indian Runner duck in the Feathered World, Mr. Thomlinson states that his acquaintance with this variety has extended over a period of about thirty years; that in 1884 he kept one duck by herself; that her egg record for that year was one hundred and eighty eggs; that they are naturally the great egg-producing variety; that they are not inclined to become broody; that they have a peculiar call, and that their distinctive running gait when moving is peculiar to themselves.

In America the Indian Runner duck has re-



HUTTENBERG DUCKS



ROUEN DRAKE

ducks have succeeded in producing the largest number of eggs during the twelve-month contest. The ducks were yarded, six females in each pen, the same as poultry, and fed and watered much the same. However, it is not our intention to speak of the duck-laying contest to any extent, but rather to describe the different valuable breeds that have the greatest popularity at the present time.

It seems to be fairly well established that all of the domestic ducks other than the Muscovy had their foundation with the wild or Mallard duck. These are the French origin and supposed to have been established as a direct descendant

ceived some attention, but not nearly as much as should be bestowed upon it as an adjunct to the poultry on the farm. Ducks that will produce from one hundred and fifty to two hundred eggs a year are most valuable as farm poultry. In addition to this, the Indian Runner is a great forager, travels over a great expanse of country each day, if permitted so to do, gathering here and there, slugs, bugs, beetles, worms and other articles of food of which they are very fond. They are about as well content on land as the Pekin Ducks, yet very fond of the swimming pool, and will do the best where they are provided with sufficient water for swimming and bathing.





PEKIN DUCKS

As an exhibition duck they have not had as much attention to the breed distinctive qualities of shape and marking in this country as they should have. The long, slim, upright specimen of the color and distinctive fawn and white markings without any inclination whatever to the penciling as seen in the Rouen female, is the correct type in the Indian Runner duck. Many of them seen with us have a taint of the Rouen blood in them, which was introduced to improve, or rather to increase the size, which resulted in a heavier body more of the Rouen shape, and a less number of eggs per year from them.

The Orpington duck is a buff variety originated by Mr. Cook, of England, which is more largely bred in Australia than in any other country. They have proved to be most prolific egg-producers. These and the Indian Runner in the duck-laying contest have the supremacy. In some instances the Orpingtons have reigned, again the other have been in the lead in egg pro-

duction. The Orpington duck is about the same size as the average Pekin duck, not so large as the largest of these, but a fair average size when compared with them. But few of them have ever been brought to this country. The first of them was shown a few years ago in New York as buff ducks. Many thought that they were the result of a cross with the Cream-colored Pekin duck and the Indian Runner. As now bred, they are a distinct variety. Our information gained from those who keep them is that they are of a fairly good buff color, not so bright a buff as our varieties of poultry, but a fairly good resemblance of a true buff in many instances.

One of the most recent brought to the attention of the public is the Huttengem ducks. These ducks have the appearance of having been produced from a cross of the blue duck, and, perhaps, the Indian Runner duck. The illustration we use of them is taken from Feathered Life. The same illustration has been used in several



books and publications, which leads us to believe that all these illustrations have been made from the one original photograph of a pair exhibited in some show-pen in some locality of which we have no information. Large numbers of these ducks are said to be grown in Flanders. The name given them is the same as that of a village in the same locality. The qualities claimed for them are those of being producers of a large number of fine, large eggs, quick growth, hardiness, abundance of flesh upon the carcass of a most attractive flavor, quick to respond to market feeding, and great foragers, even in the most inclement weather. They are compactly built, having short necks, which also seems to be common with the blue ducks. Some time ago the Blue Swedish ducks received marked attention in this country. Of late they do not seem to be pushed so hard for popularity. If all these different kinds of ducks might be taken up and carefully bred for exhibition qualities, it would add great interest to the show-room, and, if illustrating the value of the several varieties as an object-lesson was given more attention, this fine quality of edible poultry would undoubtedly be more appreciated. Nothing sells better in the market than well-grown, plump roasting ducks in winter, and though there are so many grown, there is not yet a sufficient number to assure good-quality specimens to all who seek them for a table delicacy.

Every farmer, every estate, every small home where there is sufficient room should grow a few ducks of some kind with their other poultry, as nothing is more attractive as a variety in table fowl, where they are grown, fed and cared for so as to have them plump, fat and tender at killing time, than well raised ducks. Where they are permitted to shift entirely for themselves they grow without flavor.

Besides those mentioned, there are a few other varieties of ducks, among them the Cayuga, East India and Russian ducks. Not having illustrations at hand for any of these, we must defer description of same to some later issue of the paper.

## The Value of Standard Breeds



FOR many years the poultry publications were crowded from cover to cover with volunteer articles from the pen of the most successful fanciers. We can recall the time when Asiatics, the Plymouth Rocks, the Wyandottes and other meritorious breeds were so thoroughly well presented from the pen of experts, as to keep the whole fraternity well supplied with this class of valuable literature.

Of late years everything seems to have taken a turn toward utility propositions. Large egg-producing strains, the heavy-weight market poultry, the best for producing capons and the best

home and farm fowls seem to have occupied the greater part of the entire attention of the volunteer writer. Much that might better have been unwritten has been written and published; that which would be of the most advantage to all seems to have been largely lost sight of in the rush towards utility poultry culture. Entirely too much has been said along the lines of condemnation of the standard-bred specimens for market purposes. Until some one can show at least ten or a dozen hens of any other than standard-bred varieties that will lay more than one hundred eggs per year, the folly of condemning the successful breeds should cease. Up to the present time no cross-bred mongrel has ever made a record either at egg production or

producing dressed poultry for market. Until this has been done, it is the most utter folly to harp upon the question and to present the statement that show specimens are not fit for market poultry.

In the New York and Boston dressed poultry displays some one or more of the standard breeds have always won the laurels; in egg-laying contests the awarding of prizes for eggs displayed have been the standard breeds; in competition the eggs of the most active standard breeds have won the laurels. No other kind outside of the breeds recognized in the Standard have ever won any amount of notoriety for themselves in any kind of contests for supremacy.

It might as well be understood that there is



no continuation or no dividing line between the exhibition and the utility fowl, other than that built upon imaginary lines. From an incubator full of eggs from a Plymouth Rock or a Wyandotte, all of which have been produced by one flock of hens, may be hatched several hundred chicks. From this lot of chicks may be selected the prize-winning specimens of the great winter shows. From the same flock may come the greatest egg-producing strain of the season; the balance when slaughtered will go into the market and sell for the highest price for market poultry—all of this breadth of production coming from eggs that have been laid by the one flock of standard-bred hens.

If one seeks for the variety to produce the best broilers, the best roasters, the best capons, the best dressed poultry of all kinds, the best egg producers and the most profitable poultry to keep, they must select from some one or more of the varieties represented in the Standard. Outside of this will scarcely be found any kind of poultry that could gain recognition in any direction as more valuable than those described in the Standard.

We began more than a year ago the description of the breeds. This shall be indulged in continually until every kind and variety of standard-bred poultry becomes more familiar to the minds of our readers. We do not believe it to the best interest of the general business that any one kind should have exclusive attention in the columns of a journal. Whole issues devoted to one kind overbalances the right of all others not presented therein. Those in every way connected with a poultry journal, whether they are subscribers, advertisers or owners of a publication are not best served when so much of a whole year's issue is devoted entirely and exclusively to a single kind. As there are over one hundred kinds that are favorably known, to devote one-half of a whole year to individual interests in not to the advantage of the whole lot.

In our description of color in that portion of our paper devoted to the Science of Breeding, we hope we have established in the mind of every reader the proper demand for color qualifications in every breed and variety that carries the solid colors therein described; barrings, penciling, stripings, lacing, parti- and tri-colored markings are only a blend or intermingling of the others described.

Outside of this comes the natural colors of nature, such as the black, red, purple, bronze and brilliant illuminations such as are seen in the pheasants and turkeys, and the natural plumage of other wild fowls. In confining the colors within the standard law, the greater portion of all come within the intermingling of the solid colors described and those referred to in this paragraph.

\*Barring comes through intermingling white and black. This same intermingling produces the barring of the Plymouth Rocks, the broken color of the Houdan and Ancona and blue-laced effect of the Andalusian; the parti-color of the Brahma and other like markings is produced through the intermingling of white and black and control of same in certain localities. This is well illustrated in the crest of the Black Polish that has the beautiful white crest. Controlling and keeping separated these two colors is a task that is really more difficult than controlling the colors in the Brahma. The penciling of the dark Brahma and the Partridge Cochin has been created through selection. The first of these were stippled much like the plumage of the Brown Leghorn and the Game female. Through selecting, mating and controlling the colors through these channels, the markings which follow the shape of

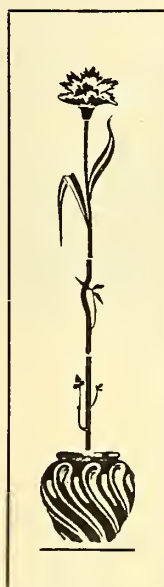
the feather has been established even to the entire plumage of the females of these two varieties, leaving the males so distinctively marked as to prove conclusively the influence of the large Malay in both color and comb.

Thus might be traced through all the varieties the influence of color and shading, in none of which, however, is it more pronounced than in the markings of the Brahma and Cochin, which have the penciled effect following the shape of the feather.

"Penciling," as the term is used in the Standard, is somewhat misleading. We have the standard authority for calling the bars upon the feathers of the Silver-penciled Hamburg female penciling; we have the fullest authority for calling the crescent markings of the Dark Brahma female, penciling, and frequently we assume the right for calling the stripe in hackle or saddle, penciling. The one true penciling of plumage in fowls is the kind of marking found upon the finest specimens of Dark Brahma and Partridge Cochin females, on the one described as Dark Brahma, the other as Partridge color, which name is used to describe that variety of Cochin and

ly from ours, in so far that they cultivate the production from single matings by awarding the highest honors to the shades of color that are produced from single matings, upon the ground that it is most beneficial to the fancy from the fact that the entire product of single matings may be profitably disposed of, while but few of the whole can be profitably sold from double matings.

What can be less attractive than the females used to produce cockerels in Barred Plymouth Rocks, Brown Leghorns, Dark Brahmas, Partridge Cochins, or any kinds having kindred colors to these, yet we labor for and encourage to the fullest extent all of this to meet the demand for the Standard, and the fancier's fad. Therein lies the weak point for attack by the utility men. Yet even this is only a comparison, for the least attractive of these will produce plenty of eggs and the best of market poultry, leaving but the one real drawback, that of but little value from the fancier's viewpoint in these surplus females. No manner of color or marking is more difficult to produce than these, none being more beautiful when of the finest finish,



SILVER-PENCILED WYANDOTTES

Wyandotte. When the same is used in Wyandottes it is termed "silver-penciled," giving three names to the one manner of marking.

The most perfect style of this manner of marking is described "distinctly penciled," the outlines of penciling conforming to shape of feather in the silvery shade described as gray ground color distinctly penciled with dark, the outline of which conforms to the shape of the feather, while the Partridge color is described as having mahogany-red or reddish-brown ground color distinctly penciled with the very dark brown on the Wyandotte, and brown or black for the Cochin. No matter what may be the size or shape of the feather, the penciling of each must conform to the shape of same. Encouraging dark markings in the females and brilliant black in the males has made it almost impossible to produce males and females in either shade from a single mating that will pass muster in the exhibition hall, for the reason the double plan of matings has been followed to a very large extent, as in no other way can the best show specimens be produced as demanded by our Standard.

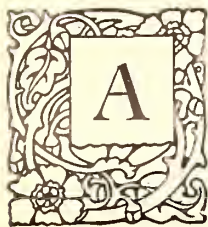
The English standard differs from ours, or rather their application of same differs material-

and none less attractive than the inferior ones. This is another drawback that has worked against the more general popularity of the Dark Brahma, which is one of the most profitable of our larger birds; they are superior egg producers, most excellent table poultry, and should be more generally cultivated than are the Light Brahmas, because they will not show soiling of plumage as will the Lights; but the extreme artificialness of their plumage, and the speedy deterioration of same when not well guided and kept in line, has counted against both them and the partridge-colored fowls, and will, we imagine, continue to do so.

The fowls may be produced along the female in both shades of a superior quality, from which come males of passing beauty, and it is always best for those who select the single mating to breed entirely for females and pay no attention to the production of the males for exhibition. To do this, never have in your yards any blood of the male line; continue to exclusively select the best female line-bred stock, and improve that as much as possible along these lines, for from the female line of all these comes the greatest per cent. of beauty that can be produced from these breeds.



# Why White Fowls Are Popular



FEW YEARS ago we published an article in the columns of this paper describing white fowls of all kinds, including poultry, ducks, geese, and bantams. There are good and sufficient reasons for the growing popularity of white-feathered fowls, including pigeons. Where large numbers of poultry are dressed for market, the feathers are carefully saved and sold. The value of pure white feathers is sufficiently in excess of the darker colored feathers to make quite a difference in the total received for same. In addition to this, white feathered poultry, when of the best quality, dresses most attractively, as there is no appearance of the dark pin feathers of any kind on the carcass. These facts have had their result in the increased cultivation of white fowls throughout the country, and while up to the present time there are more Barred Plymouth Rocks grown for market than any other kind, there is a noticeable increase in the white poultry, even including turkeys.

The White Wyandottes were the first to receive marked attention. Following these, the White Plymouth Rocks. The White Plymouth Rocks have come as a direct descendant through sports from the barred variety, and have all the breed characteristics of that most valuable fowl. Many have devoted their exclusive attention to growing the White Plymouth Rock. They have become thoroughly distributed throughout the length and breadth of the country. Large flocks of them are often kept exclusively for reproducing eggs and poultry for market. In addition to this, they have been cultivated to the highest grade of quality for exhibition fowls. With the exception of the Orpingtons, no fowls have sold for better prices than the White Plymouth Rocks in and out of the exhibition halls of recent years.

For several years the attention of some of the

best fanciers has been given to the cultivation of the new variety of Wyandottes recently admitted to the Standard as the Columbian Wyandottes. These are true Wyandotte in shape, having the color and markings of the Light Brahma. Undoubtedly, the influence of the Brahma cross has given them great constitution, beautifully

The illustrations made use of were taken from specimens photographed in the yards of A. C. Hawkins, Lancaster, Mass., and J. F. Defandorf, of Garrett Park. The quality of these specimens speak for themselves. The Plymouth Rocks and Columbian Wyandottes from Mr. Hawkins' yards are only an illustration of these



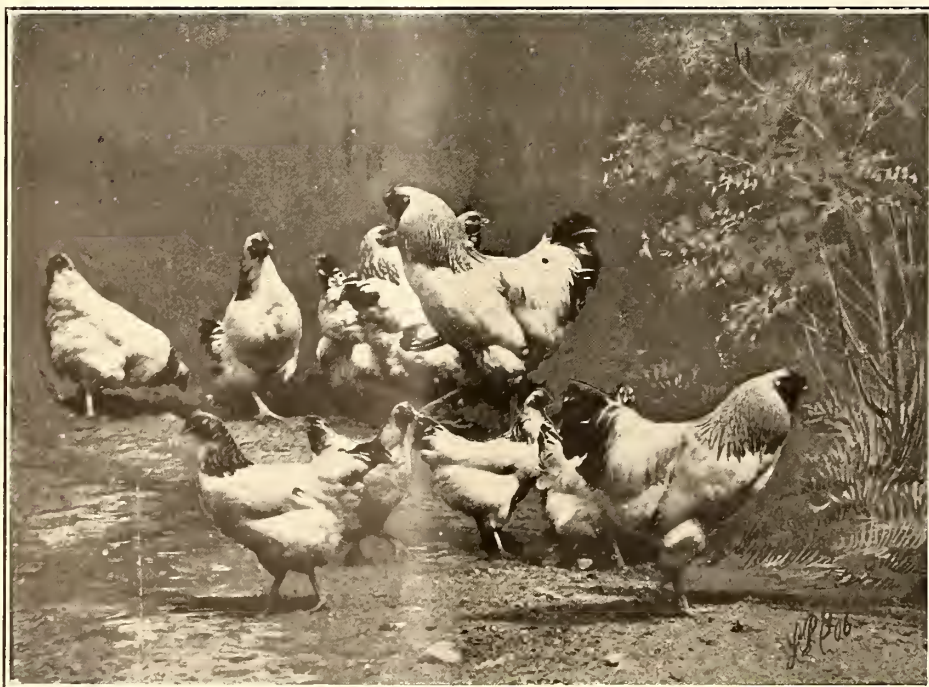
HAWKINS' WHITE PLYMOUTH ROCKS

colored beak, shanks and skin, and the most attractive flesh for market poultry. Recently there has been shown at New York, Boston and other localities some specimens of this variety of quality equal in form to any of the Wyandottes and almost as beautiful in color and marking as the Brahmas themselves.

two varieties of many grown by him. The name and fame of A. C. Hawkins is known everywhere where poultry is grown. We were told a short time ago by one seeking for fall and winter exhibition birds that he had seen more high quality specimens of the kind bred by him in Mr. Hawkins' yards this fall than ever before.

The cultivation of exhibition poultry has become more of a science than ever before. Fewer specimens than formerly are grown by the several fanciers and fewer hens are made use of for producing eggs, all of which are of the finest quality. Out of one lot of three hundred of several varieties hatched and grown in one locality on Mr. Hawkins' farm, it is said, over two hundred specimens were selected that would be called fit for exhibition purposes. This ratio is surprisingly large, when we stop to consider that a few years ago more than one-half hatched in the fancier's yards were culled for market purposes. To-day the best fanciers only cull for quality and value. Those not fit for high-quality exhibition specimens are always worthy to be purchased for use for growing fancy stock that may, perhaps, far excel in quality specimens from which they are grown.

In our September issue we dwelt at length on color qualifications. White in the exhibition fowl must be pure chalky white, entirely free from creamy tint or foreign color influences. In the production of white fowls for exhibition, matings must be selected of the purest, cleanest and most perfect white, including quill and under-color clear to the skin. This same must be true of the Columbian Wyandottes. The white must be pure clear white; the black, rich



HAWKINS' COLUMBIAN WYANDOTTES



glossy black with beetle sheen; the penciling of the neck, the black wing and tail, pure and true; the lacing of the coverts about the tail must be the same as in the Brahma. We noticed in the flocks, both old and young, at Mr. Hawkins' the distinctive color markings in this variety, the breeding specimens having been selected for their quality, the influence of which was strongly shown in the plumage of the half-grown chicks.

In the mating of all kinds of fowl, too much attention can not be given to the selection of the highest quality of type, breed characteristics, coloring and marking. The statement too often made that exhibition specimens are not the best for breeding purposes should be taken with considerable consideration. In specimens that must be produced by the double-mating system, one must thoroughly understand the system applied for producing such specimens, and never be foolish enough to mix or intermingle the blood of the male producing line with that selected for producing females. However, with all pure white plumaged fowls, the better exhibition specimen the individual may be, the more likely are they to produce the finest exhibition quality. The best of light Brahmas have always been

produced by single mating; the same with Columbian Wyandottes—the best exhibition specimens produce the best youngsters for the show room. There has, however, of late, been an inclination shown to award the highest honors to Light Brahma male birds very heavily striped with black on the back and saddle. Such specimens are too deeply dyed in the glistening black to be made use of in the production of good exhibition females, having clear white backs. The clearer the saddle of Light Brahma or Columbian Wyandotte, the whiter is likely to be the parents of such a male bird. On the other hand, where very heavily striped back and saddle males are used, the influence will show itself in darkening the black plumage of the females. Where it is desirable to produce the Columbian Wyandotte with the dark saddle, sport matings for males and females should be established. How-description for this variety, the clearer, purer white the back is of both male and female, the more attractive will be the specimen and more likely to gain the awards in the show-pen. There has been a little inclination of late to diverge somewhat from the Standard description in making the awards for Light Brahmas, partridge

colors, light Brahma color, and buff colors as well. A closer adherence to the Standard description of shape and color will add to the interest of the fancy, and induce a more general following of the show-room. The selection for preference of specimens that show advanced conditions of type and coloring may not have the best influence for any breed or variety.

One feature that has lent its aid to the advancement of the Orpington family has been the strong resemblance of type and excellent quality of color. If these are not tampered with, the Orpington will always stand as a distinctive and attractive breed. As soon, however, as there is any inclination whatever to diverge from these types and breed characteristics, the interest will grow less, and either the American breeds or the Orpington breeds will lose in popularity. We do not imagine, however, that the American fancier will ever permit breed characteristics to dwindle in the American classes. The present indications are along the lines of greater improvement in these. The same should be thoroughly well established and continued in with all kinds and varieties of poultry.

## Selling Eggs As Produced



ANY years ago there was very outspoken opposition to building cold-storage warehouses, so called, throughout the country. The advantages and disadvantages of these propositions were freely discussed at Farmers' Institute meetings, at the Grange meetings and among those who might be benefited or injured through their construction.

A writer for the columns of the Country Gentleman took up the subject, claiming that cold-storage plants throughout the country would be as valuable to the farming community as were the cheese factories or any contrivance or convenience that helped the farmer to market his products near at hand.

Some of the arguments claimed that the cold-storage plants made the price of eggs, butter, and poultry during the winter months. It is noticeable, however, that all kinds of dressed poultry, butter and eggs have steadily advanced in price each winter for the past six years. The cold storage eggs have in no way interfered to the disadvantage of the price of fresh-laid eggs. Fresh-laid eggs have established for themselves a reputation and a demand which gradually grows and increases as the product is sent to the market in better condition. So long as one is able to produce fresh-laid eggs and send them to the market in mid-winter, they will always receive the top price for them, utterly regardless of the cold-storage proposition.

In connection with this, if the farming community would learn the advantages of having but one kind, breed or variety of fowls upon their farm, keeping them pure and true, selecting al-

ways the fine-sized, vigorous hens, they would have eggs all alike as to shape and color, poultry all alike when dressed for market, an even-sized, fine, attractive product that will always sell for the highest price in the market. Those who disregard this proposition and mix poultry of all kinds and character, paying no attention whatever to the size and quality of the hens from which the eggs are selected for hatching, and who sell the best all the time to the hucksters for market poultry have smaller-sized pullets each year, their eggs become smaller in size, and like the people of Iowa, disgrace themselves before the market so much that the state must contemplate passing a law regulating the size and weight of a dozen eggs.

The farmers who continue to select the small ears of corn nubbins, so called, for seed, and to sell all of the best, in a short time have nothing but nubbins to sell. The same way with poultry. If you keep inferior quality, of small, indifferent size, paying no attention to regularity of true breed characteristics, you will soon find that your product must sell in the market at such a ridiculously low price as to deprive one of a profit. The cold-storage proposition has no consideration whatever alongside of these negligent methods of producing. If every one would grade their poultry, and always keep the best at home to breed from, their eggs would be larger. If all the hens were of the same breed and variety, the eggs would be all alike, and nothing sells so well in market as a smooth lot, regular in size and color.

As to eggs, in any way whatever, for market, one must remember that that the eggs preserved at home must take their place with the cold-storage products. If the eggs are successfully preserved and kept, and sent to market in an at-

tractive manner, they will sell equally well with cold-storage eggs, but no better. The advantage gained by the farmer in preserving eggs lies in the fact that he can put them away when cheap, and keep them for home consumption, and to sell in his own home town in the winter months at retail, while the fresh-laid eggs of the winter may be sent to market and sold at the highest prices.

To be successful, however, in preserving eggs, one must have a room or storage place or cellar that never goes above 45°, nor below 32°. If the temperature rises above the 45° limit the eggs will not keep; if it goes below the 32° limit, the eggs are liable to freeze, which instantly destroys their value. Then the eggs selected must be laid during the time when the temperature does not exceed 65° or 70° in the warmest part of the day. Eggs laid during the period when the thermometer goes above 70° never keep well either in cold storage or when preserved. The absolute necessities for success in preserving eggs at home is to have the jars and the liquid in which they are preserved carefully made, the eggs saved during the period of temperature below 70°, kept until the animal heat has entirely left them, and immediately placed in the preserving fluid. Eggs that are clear or entirely infertile always keep best either in a preservative or cold storage.

The great advantage to the farmer in storing or preserving eggs lies in the fact stated above of laying away a supply, so as to enable them to sell their entire product during the winter. The way for the farmer to make money out of the egg-producing proposition is to breed and cultivate his hens for a large egg yield, keep only the best breeds and varieties for egg production, breed and feed them for this purpose, house them



in a manner that will induce the best yield during the winter months, study the proposition of poultry and egg production the same as you would other matters upon the farm.

One of the best calculations as to what one should do might be the comparison of the corn crop, the hog crop and the hen. Agreeing that a bushel of corn will sell for 50 cents and that hogs will sell at 7 cents per pound, calculate the labor that must be expended to raise five hundred bushels of corn which will bring you \$250; calculate the time, labor, food, care and attention demanded for the production of \$250 worth of hogs, then consider whether these demand more care, labor and attention than it would take to give proper care to two hundred fifty hens, which are absolutely certain to pay \$250 in profit to any and every one who will select the hens as carefully as they do the hogs and the corn, and give them hour for hour equal attention that is given to the corn and the hog crop to get as much return therefrom. If the hens of the country, if the poultry upon the farm had one-half the attention that is bestowed upon cows, hogs and horses, every farmer in the country would be able to lift the mortgage from the farm and ride behind a span of handsome horses.

As to an overproduction of eggs, twenty-five years ago the census of the country showed the egg yield of the country to be thirty-five eggs to each hen per year; the last census, seventy eggs for each hen per year. It is now thought that that average has been increased to between eighty to eighty-five eggs for each hen per year. The number of hens has wonderfully increased. Instead of \$115,000,000 worth of poultry products of twenty years ago, \$500,000,000 worth of poultry and egg products is credited to the coun-

try, and yet poultry and eggs never sold higher than they have within the last twelve months. There is no danger whatever of having an overproduction of good, wholesome food products in the land. We are buyers of and not sellers of eggs to foreign countries. So long as we must buy abroad to satisfy home consumption, it is folly to even consider an overproduction of same.

There has been of late a movement into foreign countries of our dressed poultry. This has improved prices rather than diminished them. If we could raise all our market poultry to the standard of the London demand, it would increase the value of every head of fowl raised and sold for any purpose. It is necessary for the great packing houses of the west to crate-feed and fatten all poultry that is shipped abroad for market purposes. If they did not do this, our average poultry would not sell at all in the open markets of England. As a rule, we are known throughout the world as careless, unpainstaking handlers of poultry of all kinds and eggs for market.

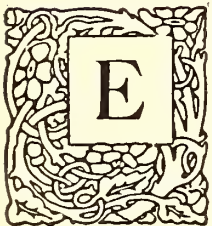
The average American imagines that there is little or nothing for him to learn. It might surprise many of the people to know that either in the county of Sussex, England, or what is known as the Houdan District of France, two counties about like some of the largest counties of our several states, there are grown, dressed and shipped into the London market more poultry than is grown in any one state of this country. Perhaps one or two states would equal either of these counties in magnitude, but just consider the small farmers of one county raising and marketing more fowls than are grown in the states of New York or Iowa, all of which sell for nearly double the price paid for the general run of

poultry in this country. If the average of our farm-raised fowls were put in competition with the Sussex or Houdan fowls in the London or Paris markets, they would not even be considered in the race.

What we must learn in this country to benefit the farmers, to benefit every poultry grower, is the fact that poultry properly grown, finished and marketed is always worth twice as much in value as the common average stuff that is a drag on the market.

Consider again the preserving of the eggs upon the farm. It must be remembered that if one would keep apples, potatoes or roots of any kind to sell at the high tide prices of winter, they must be stored in a manner that will put them into the market in the very finest condition. If any individual farmer can preserve his eggs, his fruit, his poultry or any of his farm products so as to send them to market in as good condition as do the storage warehouse people, he will get just as much for them as any one can receive for the higher class products in the market. But the trouble is that such work is usually so poorly or so indifferently done as to detract from, rather than to add to, the products. The real advantage to be gained in any proposition of improving the value of products of the farm must come first through the quality. The finest products sell for the highest prices just the same as the cream from the top of the milk sells for more than the skimmed milk, and the better the cream that comes from the top, the more valued will it be at all times, and to be the most successful, one must produce the very best possible grade of the highest quality to make the greatest profit.

## Squab Producers

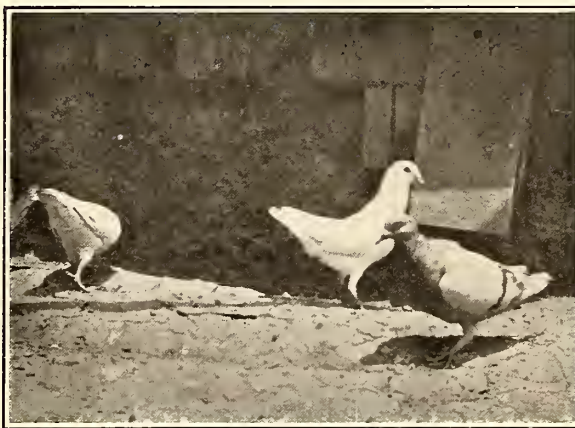


ENTIRELY too much inclination is displayed among amateurs to pursue the "something better" rather than to try to succeed through the selection of the best they have from among their own birds. The well-

established rule of over ten pounds to the dozen for squabs has led to an outlay for European breeders that often places the cost of production beyond the total price gained for the squabs, all of which might be saved if the advice so frequently given in these columns were followed.

The size of the squabs is governed by two absolute rules that must be observed for success. The first of these is the use of only large, well-developed Hen Pigeons for breeders. Small, delicate Hen Pigeons can not produce squabs that weigh more than seven pounds to the dozen, while, on the other hand, well-selected Hen Pigeons of the Homer variety not only will, but do continually, produce squabs that average from ten to twelve pounds per dozen when dressed for market. To partially insure success you must have this kind of hen Homers for breeders; to absolutely assure failure no plan can be better than to use undersized Hen Pigeons.

The pairs must be well-mated working Homers. They may be well mated, but if they are not working Homers no good results will follow. Working pairs are those that pay strict atten-



MALTESE HEN AND MONDAÏNE CROSSES

tion to hatching and rearing their young. Such pairs feed their young from three to five times per day, or oftener if induced to do so by those in charge. With such attention fine, large squabs must grow from a large, well-developed hen. To aid in this they must be handled for best results, which refers to the attention to be paid to their surroundings and feeding.

To induce frequent feeding the hopper must be constantly filled with small grains and broken corn, with the water fountain never empty. Morning, noon and evening are the natural feeding times. A constant pair that are good workers will feed the young thus often if the hopper

and fountain are always full. To gain additional attention go into the loft between 9 and 10 in the morning and 3 and 4 in the afternoon and scatter upon the floor some kind of grain that will attract them. This they will pick up and carry to their young. This extra feeding induces quicker growth and greater weight to the squabs.

The largest, most desirable squab breeders of the Homer kind may be had at a cost not to exceed \$2.50 per pair. When people purchase hats, clothes or merchandise they usually get what they pay for and more. We have stated that no one can grow a pair of the best quality of squab producers to the age of one year for less than \$1.50. If they are sold for this or less you may depend upon only getting what you pay for, nothing more. The best breeders are not likely to be sold for less than they cost. If you want the best select and accept only that quality, and pay for their real value.

In our issue of last March we told of and illustrated some Continental or European squabbers. So many inquiries have come to us asking the value of these, and how to secure them that we have made inquiry, and learn that they are very scarce and high priced. There are some bred in this country. Best results have come from some of them crossed with Homers and other pigeons. We shall tell to the best of our knowledge of these and the successful crosses that have been made.

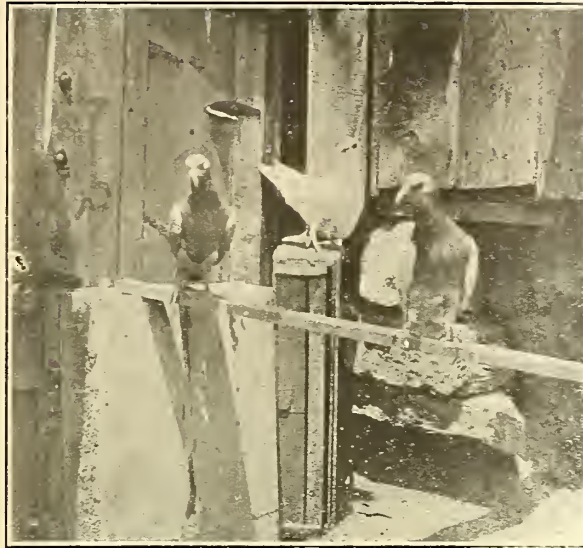
The Runt pigeon, originally the Roman pigeon, is the largest of all known varieties. They are



naturally slow movers, infrequent breeders, not the best of feeders, and do best with their nesting place upon the floor. Their long tails drag along the floor of the loft and gather filth if there is any present or if the floor is damp. This moistens their tail feathers, to which will adhere all kinds of dust and dirt. These pigeons are bred in solid black, pure white, blues, silvers or broken colors. They cost from eight to twenty dollars per pair, according to size and general quality.

The Leghorn Runt or Maltese Hen Pigeon is next in size. These are large sized, closely built, full-breasted pigeons that carry their tails high up, the point of which is about on the level with the rise of the neck at the shoulders. These are usually either pure white, black, blue or broken-colored, better known here among squab growers as Maltese Hen Pigeons. These two kinds of Runts have been largely used for crossing with other kinds for the production of cross-bred squab producers. Of this we shall make mention later.

The next most important variety is the Mondaine. This is a mongrel-bred pigeon from France, originally made from a cross of the Cropper and large-sized, clean-legged, non-pouting kinds. It is of no absolute color or marking, although some have the colors of the Runt. Some have shell crests, and are at times



MALTESE HEN AND MONDAINE CROSSES

produces better than will the Runt male to the Homer hen, the size being influenced by the female. A Runt male crossed with the Leghorn Runt or Maltese hen pigeon produces a most valuable cross-bred squab grower, but is quite expensive for the purpose. The White Hen Pigeon crossed with the white Homer or Princess male gives in return beautiful, attractive and fast working squab producers. The young from these are most attractive as squabs.

The squabs from pure white pigeons are always attractive. Fine, large squabs from pairs of half-bred White Homers and White Hen Pigeons are par excellent, but even these must be the product of well-selected originals, fine in form and size and first-class feeders of their young. Some well-selected, fine-sized White Homers do almost as well. Usually, however, the White Homers are rather undersized as compared with the best of other varieties. The crossing of these with the White Hen Pigeon produces marked benefits in many ways.

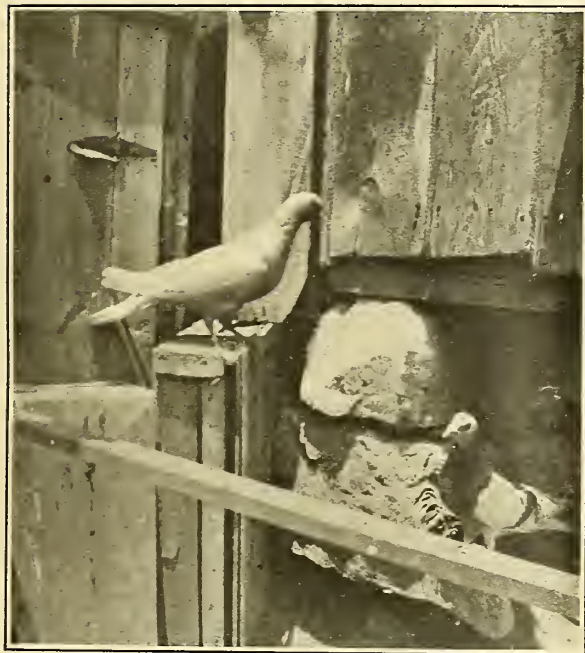
Mondaines crossed with Runts, Hen Pigeons, Homers, Princesses and Dragoons have given us almost a countless list of squabbers to select from. Many who have selected these have been disappointed from the fact that as soon as they departed from the use of the first cross deterioration began. Those who continued in the use of the first cross only were satisfied. As soon, however, as the young of the first and second generation of these cross-breds are kept for producers, the quality declines.

For these reasons those who secure the original pair and grow their own cross-breds succeed the best. A few pairs will soon stock a loft. The original cross-breds should always be kept as producers and all the squabs from them sold or used upon the table. Adherence to this rule is the only sure road to success with the cross breeding of stock of all kinds. Cross-breds or mongrels seldom if ever produce the equal of themselves or of the most desirable parent. So much depends upon the originals in all these crosses and upon their care after mated that the breeder may conclude that one-half the praise for success is his, also three-fourths the blame for failing.

Winter care of the breeding stock calls for protection from the cold and damp, such as is usually provided for hens, and a full supply of whole cracked corn and wheat with grit, sand and water to drink. Usually no water for bathing is supplied. When the weather conditions are such that the water will not freeze, or where the loft is naturally warm enough to prevent it from freezing, the bath may be provided, but they will do quite as well without it.

No encouragement should be given to nesting and rearing of young during the winter months, unless the loft is warm enough so that the squabs will not be destroyed by cold. The young are quickly chilled if exposed to severe weather. When they are benumbed by cold there is but little hope of their living, and no chance whatever of their becoming desirable squabs. Winter squabs may be profitably grown in comfortable quarters where the squabs are protected from frost, or in a climate where there is no severe winter weather. In the average modern climate it is quite well to encourage no nesting till spring is near at hand.

To discourage nesting it is only necessary to remove all nest boxes, dishes and all nesting material, and to feed mostly corn, no hempseed or other grain that helps egg production. Some few eggs may be laid even then, but such as are



FRENCH MONDAINE

called Swiss Mondaines. All are, however, of the same French origin if truly Mondaines. These are third in size of larger kinds made use of for squab growing. These and the Carneau have been mistaken for one and the same, and thus the two have more or less amalgamated as a squab-producing variety.

These three kinds sell from \$7 to \$20 per pair, according to size and other qualities, and have been crossed with all kinds of large-sized pigeons to produce heavy-weight squabs.

Runts crossed with Homers produce the largest of cross-bred squab producers. The best of these come from mating a fine-sized Runt hen with an active Homer male. This cross



MALTESE HEN PIGEON

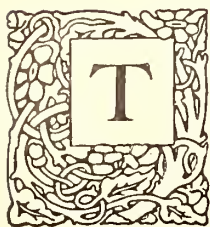
laid may be removed and destroyed. All young or unmated birds will do best if kept in separate lofts or rooms.

Those who grow for the fancy and the exhibition hall always divide the males and the females into separate rooms during the moult and winter months. This is thought to strengthen them and improve their health and producing qualities. However, this is not the best for squab breeders, as they should be continually mated and kept together as long as they are constant one to the other. Whenever they grow tired, one of the other, they will drift apart and select other matings if the opportunity presents itself.





# Preparing and Marketing Poultry



THE PRODUCTION of eggs and the production of ducks, geese and turkeys for market has become one of the most extensively cultivated branches of the farm business. Every farmer does, or should pay more or less attention to this; it means

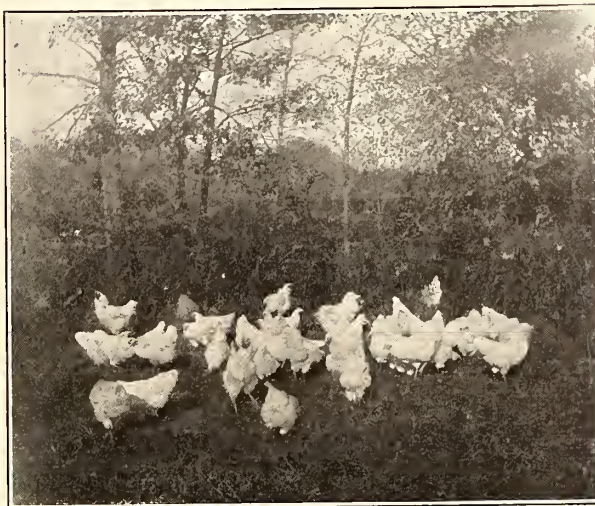
ready money. Market poultry of all kinds, but-ter and eggs always bring prompt cash every day in the year, provided they are properly marketed. There are, however, many little features in the marketing of these products, which might well be carefully considered. The first of all, is the disposal to the local dealer or consumer. No matter to which of these or to what market you may cater, remember the first consideration is appearance; next, quality; third, proper presentation for sale.

Appearance refers to nice, clean eggs of an average size, even shape and color. All Leghorn eggs look more or less alike, all Plymouth Rock eggs look more or less alike, all the eggs produced by Wyandottes have the same appearance. When sold separately as a lot, if of fine, cleanly appearance, they should bring the the highest prices. A promiscuous lot, part Leghorns, part Plymouth Rocks and part Wyandottes, do not look alike, are not so attractive, and will not bring so high a price in the open market as will either, if all of the same kind. Eggs of the same shape and color, regular in size, if properly clean and fresh looking, have the proper appearance. Dressed poultry that is plump, attractive, nicely dressed, and nothing about it of an unpleasant character to attract attention, would be called nice in appearance. An attractive, cleanly, perfectly dressed piece of poultry will always sell for the highest price. This is the influence of attractive appearance over the purchaser.

Quality refers to a well-grown, well-fattened, nicely-finished fowl of any kind or character. One that is too fat, that hangs down in the abdomen, pulled out of shape by internal fat, does not represent the best quality. One so poor in flesh that the skin hangs loosely on the carcass is not of good quality. Good quality is a smooth, even, nicely finished fowl which attracts one on first sight. This is quality in poultry of all kinds, whether fowl, turkey or guinea hen. Whenever too fat or too thin, they always sell for less than do the nice, even, well-plumped lot. Quality in eggs refers to an even lot in size, shape and color that have a smooth shell, bright, cleanly appearance, all packed of one shape and color in a case so as to be either pure white or pure brown eggs of the best quality. Eggs that average over two ounces apiece bring the highest prices. Those that come under this are always cut for quality.

Proper presentation refers to the packing of the eggs, the dressing and packing of the poultry. If poultry is poorly dressed, unattractively packed and sent to market in poor condition, no matter how good it was to start, it will usually be sold at a loss.

The West is becoming the great center for the shipping of poultry into market. The Farmer's Advocate writes of poultry for profit under the caption of "The Farmer's Gold Mine Is the Hen." In writing on rules for marketing poultry a short time since, they state as follows:



IN FINE CONDITION FOR MARKETING

For shipping live poultry to market, well constructed crates are particularly desirable. They should be of sufficient size to avoid causing discomfort to the birds, yet small enough to permit easy handling by expressmen and others. Long crates should be equipped with solid cross partitions to prevent the birds from being thrown together at one end when the crate is tipped in handling. Failure to observe this simple precaution often results in the loss of a number of birds in each shipment. All the crates should be thoroughly ventilated, as in crowded express cars they are frequently piled on one another and many birds are smothered.

Express companies will return empty crates at a cost of 10 cents per crate for each company handling them. Western shippers send large quantities of live birds to the eastern markets in large rough board crates, which are never returned, as they are not worth the transportation charges.

All live birds shrink more or less in weight while en route to market. Turkeys and large, soft chickens show the greatest percentage of loss and old fowls the least.

The last thing before shipping the birds should receive plenty of water. They should also be given a liberal amount of feed, preferably some whole grain, as corn and wheat. Should the journey be a long one some additional feed may be placed in the crate.

Live poultry should seldom be shipped to reach the market later than Friday morning, and Thursday morning would be safer.

Much dressed poultry that would sell at the highest quotations if properly dressed is of necessity sold at unsatisfactory figures because of carelessness or inefficiency on the part of the dresser.

The value of dressed stock is in large measure determined by its appearance. A plump, good-colored, well-grown bird will depreciate in value if not carefully dressed. Half plucked or badly torn birds are not desired by the trade that pays the high prices.

The easiest way to dress poultry is to scald it. If it is properly done the feathers can be removed with great rapidity and the skin is seldom torn. Private customers are frequently willing to ac-

cept scalded birds, and in some sections, particularly in the smaller markets, these move readily on the open market. Marketmen generally object to handling scalded stock, however, as they consider that such birds do not keep as well as when dry picked, and are less attractive in appearance. The skin is usually badly discolored in places, and the birds soon become puffy when exposed for sale. The Boston market in particular insists that stock shall be dry picked, and although New York will handle a certain amount of scalded stock, the best prices are obtained there for that which has been dry picked.

Before packing for shipment every bird should be thoroughly cooled. This takes longer than the uninitiated would believe, but if it is not done thoroughly, the stock is likely to spoil in the package. Never let dressed stock freeze unless it is to be retained for some time, and sold as frozen stuff. Thawing injures the quality and decay soon follows. Birds shipped without ice should be thoroughly dry before packing.

Careful grading of the stock for the open market is very important. A few scrawny or badly-torn birds will often spoil the appearance of the shipment, which otherwise would be excellent, and a lower price must be accepted. Keep the inferior stock separate from that which is desirable. Each grade will sell to better advantage if kept separate from the rest.

Inspect each bird carefully before packing. Wash the feet, remove the clotted blood from the mouth and wash the head. Sew up any bad tears in the skin, using the white thread for this purpose. A curved needle is more convenient for the work than a straight one.

Birds which have a dark, dingy appearance can often be greatly brightened by washing in a strong suds made of some good soap or washing powder. Water fowl, in particular, can be much improved by special cleansing. An ordinary hand brush is convenient for this purpose.

Packages for dressed poultry vary greatly, but should meet two requirements. They should be neat and clean and small enough to permit easy handling. For delivery to retail customers, pasteboard boxes of sufficient size to hold a single bird, or a pair, are desirable. The birds should be wrapped in clean paper, preferably waxed paper, before being placed in the box. Retail egg customers whose supplies are shipped by express may be served with dressed poultry by using an egg case built like the standard case, one end being used for eggs and the other fitted with a metal box in which to place the birds. In warm weather sufficient ice may be included to insure arrival in good condition.

Barrels of various sizes are popular packages, especially when ice must be used. Pack them with alternate layers of ice and birds, the bottom and top layers invariably being ice. Upon the top place a good-sized block of ice, which will melt and trickle down continuously through the layers of birds beneath. Cover the top with a piece of burlap, fastening this by means of a hoop. Cases may be filled with ice and dressed poultry in the same manner, and in some cases are preferable to barrels. The stock can be packed in cases in better shape than in barrels. Burlap tops should be used in cases of iced stock as well as on barrels, as all packages so covered will be kept right side up.



## Science of Breeding

BY T. F. MCGREW

There are many statements made relative to the value of milk as a food for poultry that are not warranted either from the analyzation or experiments made. The question involved is of too much importance to be passed lightly by when it may be considered to advantage.—McGrew.

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### Food Value of Milk



**W**HOLE MILK is composed of eighty-seven parts water, four parts fat, five parts sugar of milk and four parts of casein, albumen and mineral matter. Skim milk has more water and less fat. When one hundred pounds of skim milk is purchased you buy ninety pounds of water and ten pounds of solid matter. This solid matter is largely that which is called the curd, from which cheese is made. Milk curd is claimed to be an excellent food for young or old fowls of all kinds. Whole milk is undoubtedly a model ration for the young of the parent that produces it. Skim milk lacks so much of the natural value of whole milk as to fail in its purpose when used alone for feeding the young calf. "As thin as a skim milk calf" may not be a familiar phrase to all, yet is a well understood one to those familiar with the growing of calves. Skim milk alone will make a slim calf.

The water in the milk has more food value than an equal amount from the well, because of the change, naturally resulting from having gone through the system of the cow in process of transformation from feed and water into milk. Therein lies undoubtedly the excellence of its use as a moistener for meals in mash feed. The other food value is not of a character that would warrant such claim in its favor. The average of skim milk carries about three per cent. of protein, or three pounds of protein to one hundred pounds of milk. Clover has four times this from the same weight, but the ratio of three of protein to seven of all other solid hides from consideration the ninety per cent. of water that must be consumed to gain the food value of the solids.

That our readers may have the benefit of all sides of the question as viewed by the professors of poultry husbandry and others, we have gathered the opinions of a number that we present for consideration. The first of these from the pen of Mr. Jackson, who has conducted a series of experiments for a number of years for The Stockman.

"Palatability is an important factor in feeding and therefore the best feed for hens is the feed they like. But that does not prove that it is always profitable to feed it. It may cost more than it is worth, or it may be practicable to substitute something cheaper that will give nearly or quite as good results.

"The extent to which one feed may be substituted for another of similar analysis is not fully understood. Some things seem to have a value that does not appear in the feeding tables. But when palatability is maintained and the nutritive ratio is unchanged, there are few

foodstuffs that can not be replaced by substitutes without appreciably affecting results.

"Skim milk, for example, is admittedly one of the best of feeds, being in condition for most rapid and complete assimilation, and yet I doubt if the poultryman can get any noticeable increase in growth or egg yield by its use. One of the largest producers of crate-fed chicks, who has made a specialty of 'milk-fed' broilers, assured me that he could see no gain from using the milk either in weight or quality, and seriously considered abandoning its use altogether.

"It is true, in common practise, an increased egg yield generally follows the use of milk, and the milk gets the glory. It should be remembered, however, that most rations are too wide and would give better results from the addition of protein from any source. The true explanation of the increased egg yield when milk is used is protein—not magic.

"I am willing to admit that probably the protein of milk is more valuable than that of grain, and yet if this does not show in the egg basket it should not be considered very seriously. I have done some experimenting to learn the value of milk in feeding for eggs and have found it a very intangible value indeed.

"In one experiment two lots of Wyandotte hens, one year old, were used. They were kept under precisely the same conditions and received exactly the same amount of feed except the milk given to one pen. This gave the milk-fed pen the advantage of more feed and a narrower ration. These pens were fed for fifty days and then the milk was transposed to the other pen and the feeding continued for another period of fifty days. The result was as follows:

"Pen No. 1—First period, milk to drink, eggs per hen, eighteen.

"Pen No. 2—First period, no milk to drink, eggs per hen, fifteen.

"Pen No. 1—Second period, no milk to drink, eggs per hen, seven.



"Pen No. 2—Second period, milk to drink, eggs per hen, five.

"This low egg yield is accounted for by the fact that the test was made in fall and winter. In other experiments which it is not necessary to give in tabulated form, I found almost invariably that the increase from the use of milk (when an increase occurred at all) was not sufficient to pay for the milk at any ordinary valuation.

"The practical feeder, therefore, who buys milk for his hens must measure its value by its analysis as compared with other foodstuffs. While numerous feeding experiments have been made with widely varying results, it is fair to estimate the feeding value of milk at one-tenth that of the same weight of grain.

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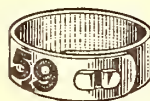
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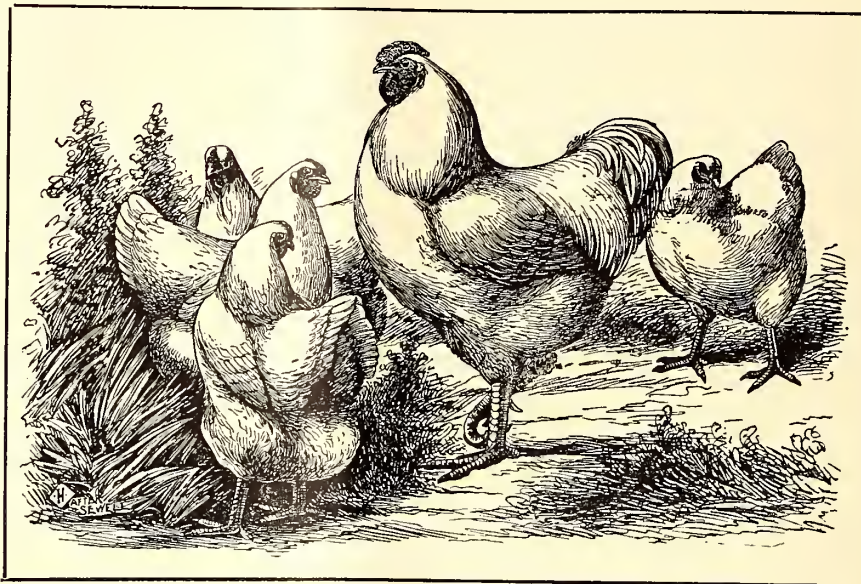
355 Dearborn Street, Chicago, Ill. tf

Milk and oil meal have about the same  
nutritious ratio, but while there are sixty-  
nine pounds of digestible nutriment in  
one hundred pounds of oil meal, there are  
only five and a half pounds in a hundred  
pounds of milk. As compared with oil  
meal at \$2 a hundred, 20 cents a hun-  
dred for milk would be a high price.  
However, when milk is fed in small  
quantities, as, for example, in mixing the  
mash, it has a greater value.

"There are some practical objections to  
feeding milk beyond what can be used  
in the mash. Drinking vessels containing  
it must be kept scrupulously clean and  
moved frequently, or the surroundings  
will soon become filthy and a prolific  
source of disease. Hens also get their  
feathers covered with milk in a very  
short time and get very dirty. No one  
who has any regard for appearance, or  
health either, will permit this. If the  
milk is at hand and must be fed the best  
way is to heat it and feed the curd, dis-  
carding the whey. It is a somewhat  
wasteful way to feed but is cleaner and  
less likely to injure the hens. I have  
seen it stated that unlimited milk will  
cause diarrhea, but I have never observed  
it in any of my experiments.

"It is not desirable to give milk to  
young chicks on account of the difficulty  
of keeping the drinking vessels clean, and  
because the chicks are morally certain to  
get themselves covered with it to their  
injury. The curd can be fed freely and  
I have known excellent results from  
feeding curd exclusively to young poults  
for the first few days. On account of the  
practical difficulties it should not be fed  
to young stock in any other form."—  
Homer W. Jackson.

"Your letter of June 25 is at hand.  
Skimmed milk is a valuable food for  
chickens or for mature fowls. It serves  
the same purpose as meat, but will not  
wholly take the place of meat except  
where the milk is curdled and made into  
pot cheese. We ordinarily consider skim-  
med milk to be worth about 20 cents  
per hundred to feed to poultry. It is  
highly desirable in fattening where the  
soft ground meal is mixed to a con-  
sistency of thick gruel. Ordinarily it  
takes about as much milk as meal by  
weight to make this mixture. The dis-  
advantage of skimmed milk is that it  
smears the young chickens. I have never



WHITE WYANDOTTES

seen any serious effects, however, of this  
trouble further than appearance. We are  
using all the skimmed milk that we can  
get and that our fowls and chickens will  
consume here at the plant. If young  
chickens are not fed liberally on grain,  
and water is scarce, they sometimes drink  
more skimmed milk than is good for  
them, which seems to cause looseness of  
the bowels, or diarrhea. I have no data  
of my own on the actual value of skim-  
med milk as compared to other foods.  
Skimmed milk fed chickens, as you know,  
are quoted on the market. There is  
something about the milk that appears to  
add a finish to the flesh that can not be  
secured in any other way. I imagine this  
is due to the fact that the chick eats  
more succulence; that is, takes more  
moisture into its system than it otherwise  
would, which apparently tends to plump  
the muscular cells. Perhaps it may pro-  
duce soft rather than solid flesh. Whether  
this is an advantage or a disadvantage I  
can not say, except that milk-fed chickens  
command high prices, which would in-  
dicate that they are of superior quality."  
—James E. Rice, Professor of Poultry  
Husbandry, Ithaca, N. Y.

"Replying to your favor of June 25  
re our opinion of the value of milk as  
feed for poultry, would say, that I

have no hesitation in saying the milk  
promotes the growth of young chicks and  
is a good egg producer. I know of no  
other feed which is as economical for  
using in fleshing rations for roasters as  
is milk. I believe that with very small  
chicks, where there is no other drink  
given but milk the mortality will be  
higher than where water and beef scrap  
is used, but I am inclined to believe that  
the chicks that live will be very growthy.  
I make these statements from our obser-  
vations and experiments conducted here,  
also from what I saw of the farmers  
growing chickens in this county.

"There is one feature of feeding milk  
that is often overlooked and is the  
dangerous one. From actual experience  
I can assure you that where milk is used  
as a drink and any of the fowls develop  
colds, it will spread through the flock  
very rapidly. This, to my mind, is the  
one objection to the liberal use of milk. I do  
not know that this is any objection on  
the average Ontario farm, where the  
flocks of chickens are not very large, but  
where a man is growing one thousand or  
more, it is a point worthy of considera-  
tion."—W. R. Graham, Poultry Depart-  
ment, Ontario Agricultural College.

"Regarding the value of milk as food  
for growing birds, I will say that we  
don't use it because I can not get much  
of it. It will help them along very much,  
but is disagreeable stuff to feed except  
when used in making porridge for finish-  
ing off broilers or roasters. When our  
chicks weigh about three pounds and have  
been out on the range, we shut them up  
in lots of one hundred in small buildings  
and yards, and feed them on porridge  
made from corn meal, middlings and beef  
scrap mixed with milk or water. We  
can make them gain very much faster  
when the mixing material is milk than  
when it is water. One lot of birds fed  
in this way gained 2.47 pounds live weight  
on an average in thirty days. I think the  
birds fed in this way are the finest and  
best finished of any we raise. The most  
of our chickens are finished and marketed  
when they dress two pounds each as  
broilers."—G. M. Gowell, Maine Experi-  
ment Station.

"In reply to yours of June 25th, I have  
used an abundance of skim milk all my  
life. I have had the best results by using  
it slightly sour, but I will admit that it  
must be fed in such a way that little  
chicks can not get it. We have been ex-  
perimenting with it in a practical way for  
two springs, but am sorry to say that in  
both seasons, owing to unsatisfactory de-

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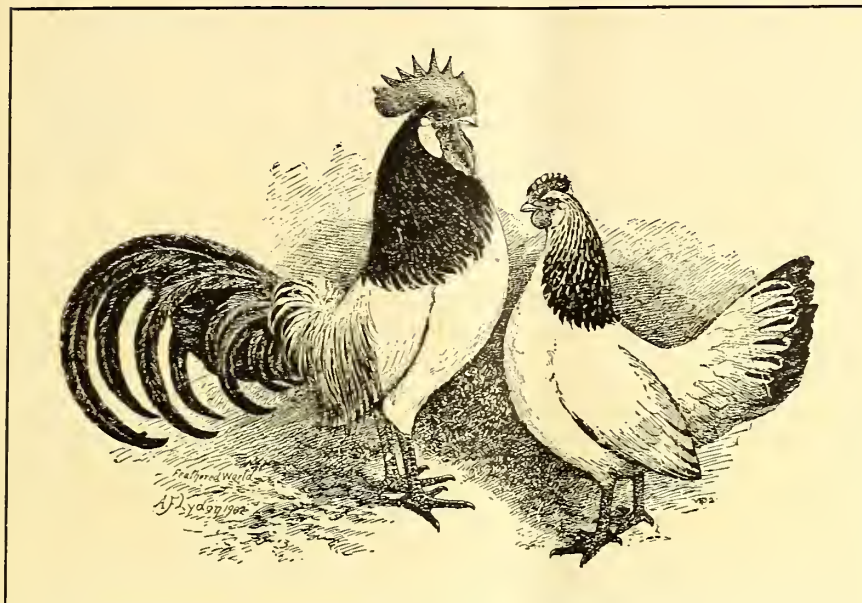
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livery from the creamery, we are not able to report very much progress. I have, however, satisfied myself that the curds are excellent feed if given fresh and if it is not too tough, but there is so much danger of it being poor curd that I would not advocate its being used. I do like thick milk, and think that I could afford to pay 20 cents a hundred for skim milk to be fed this way in preference to \$2.50 a hundred for the average beef scrap. I think there is a danger of sour crops from sweet milk. This is a trouble that I have never had from using sour milk thickened. I never like to mix milk in a mash. It seems to sour quickly and every time I have tried it I find chicks six weeks old with sour crops. I have even had the same thing among my older fowls. I now use a bucket of milk and a bucket of water in every pen of fowls, and it is surprising the amount of the former they use and the amount of beef scrap that I am saving, although it is before them all the time, the same as the water and milk. Of course, this took time and quite a lot of trouble to educate the hens to the milk. If this milk is sour I am never particular whether it is thick or even if it is buttermilk, only I would not feed it if it were over a couple of days old.

"In Canada we do not believe it possible to give a fowl that fine finish for the table without using milk in the mash in crate feed or cramming. We do not think that it increases the intestinal fat, but it does give a fresh and peculiarly juicy flavor."—C. K. Graham, Instructor in Poultry, Storrs, Conn.

"Answering your recent inquiry as to how I value skim milk as a poultry food, would answer: Most highly. While experiment stations give it a commercial value of 13 to 15 cents per hundred pounds, I have a standing offer of 50 cents per hundred for it, if sweet. Would so use it to feed dogs and chicks.

"I do not say that it has a food value of 50 cents per hundred, but as a variety food and as a carrier for other ground feeds I give it that value. Skim milk, into which ground bone has been stirred, will put a weak-legged, broken-down hog on his feet in ten days, and I believe it is just as valuable to keep growing chicks from getting weak as it is for hogs. As a carrier for ground oats there is nothing equal to soured milk for fattening fowls."—T. E. Orr, Beaver, Pa.

There can not be any doubt but that milk has its food value when used for poultry. Why it should have any per-

ceptible influence over the egg yield is not apparent from the analysis, nor is it proven so far as we can learn from experience. That it is a splendid moistener for mash food can not be questioned, but to our notion therein lies the main value of milk as food for poultry. The dangers attending its use in any other way are too apparent to be experimented with to any extent. Milk curds are a valued food to a limited extent for both chicks and poults. The liberal use of curds will cause death. Have seen young chicks packed from crop to vent with them, death resulting from eating curds. Thousands of young chicks die from injudicious feeding of milk, all of which might be avoided if care and judgment guided its use.

Poultry experiments made at West Virginia University are among the most satisfactory yet reported. Six pens were fed alike for two months, each pen containing

twenty hens and two cocks of the Single-combed White Leghorn variety. The experiment was divided into two periods, the first beginning June 30, 1904, and ending August 5; the second beginning August 6, and ending September 30. During the first period pens 1, 2 and 3 each received two quarts of skim milk daily, which was used to moisten the ground feed, as in the earlier experiment, while during the second period pens 4, 5 and 6 received the skim milk.

Pens 1, 2 and 3 laid two hundred thirty eggs more than did the other three when their food was mixed with milk. When the change was made and the food of 4, 5 and 6 was moistened with milk, these three produced two hundred forty-two eggs more than did the other three pens during the same time, their food being moistened with water. Beef scrap was fed to all. During the entire time all were fed the same excepting the milk. The eggs were sold at 25 cents per dozen, giving the skim milk a feeding value of 1½ cents per quart. If the eggs had sold at 12 cents as in some localities, the food value of the milk would have been ¾ of a cent per quart, or about 35 cents per hundred for the skim milk. Those interested can obtain the full bulletin report by writing to the station at Morgantown, W. Va.

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Portraits of the four men: N. E. CARNIE, WALTER HOGAN, M. F. GREELEY, H. M. WHELOCK.



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EVERY atom that hens use in making eggs, comes from the food they eat. They can't get it anywhere else.

That being true, you must, if you expect eggs in abundance, feed foods rich in egg-making materials.

Analysis shows that not only eggs, but the bones, the lean meat and the feathers of fowls are all made up of what the professors call "protein."

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That's why all fowls crave worms and bugs. Instinct teaches them that they need such food.

Of course, they can't catch "the early worm" in winter or when they are yarded, so you must give them this protein in some other form.

The best substitute is fresh-cut, raw, green bones—the trimmings from the meat market, with meat and gristle adhering to them.

In its raw state it contains exactly the same food elements as the worms and bugs. It contains over four times as much protein as grain, and is

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That's why fowls like it so well and why it doubles the egg-yield, increases fertility, makes larger hatchlings and stronger chicks, develops earlier broilers and layers and makes heavier market fowls—

Because it "balances the ration" by supplying what is most scarce in grains. You can't get the best results without it.

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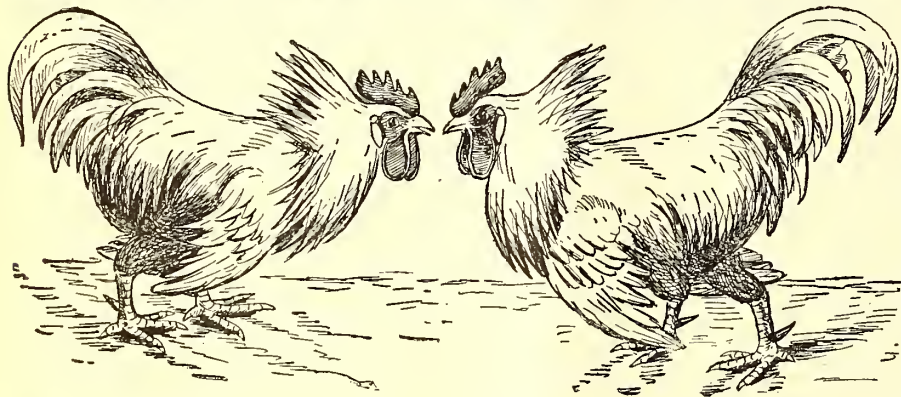
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**INTERNATIONAL MINERAL CO.**  
New Haven, Conn.

## United States Poultry Department

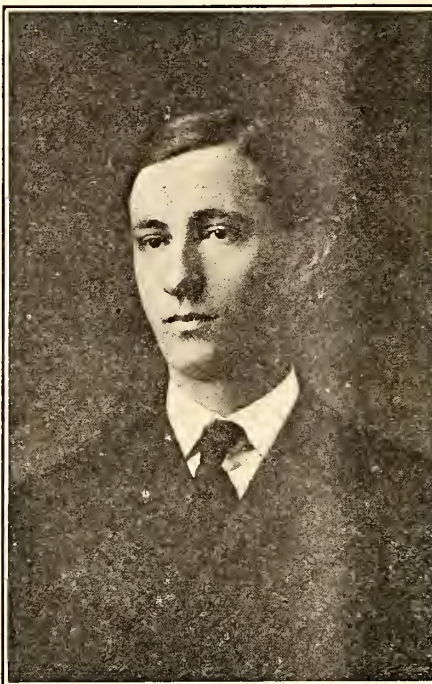


HE Agricultural Department of the United States more than a year ago made a step forward relative to the poultry interests of the United States in the selection of Mr. G. Arthur Bell as Assistant Animal Husbandman in the Bureau of Animal Industry.

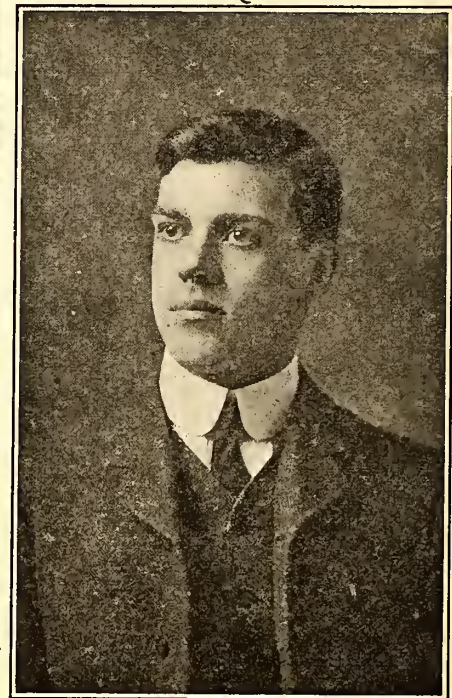
Mr. Bell graduated from the College of Agriculture of Cornell University in the

Mr. Slocum was born on a farm near Kings Ferry, N. Y., and lived and worked on the farm when not attending school. He attended Cornell University, graduating June, 1906, with the degree of B.S.A. He specialized in poultry work during the last two years at college, and conducted special investigations concerning the function of grit, also numerous incubation experiments and feeding experiments to determine the value of alfalfa pasture for laying hens. In the winter and spring of 1906, Mr. Slocum was student assistant, having charge of instruction in incubation, both for winter school students and regular students. He took the examination for Poultry Assistant in the Bureau of Animal Industry May 23, 1906, and was duly certified by the Civil Service Commission and entered upon his duties July 16, 1906. Mr. Slocum devotes his entire time to the poultry interests of the Bureau.

We have visited the department and held pleasant communications with both of these gentlemen, who seem to be thoroughly determined in pushing forward poultry interests of every kind. Having known Mr. Slocum during his term of attendance at Cornell College, and being thoroughly well informed as to his ability along these lines, we feel that the whole poultry fraternity of the United States can



ROB R. SLOCUM



G. ARTHUR BELL

class of 1904, and was appointed to his present position on February 1, 1905. In addition to acting as assistant to the Animal Husbandman of the Bureau, Mr. Bell took charge of the poultry work of the office. This had mainly been the conduct of correspondence, but Mr. Bell's efforts broadened the work very much. His lectures before the Maryland State Farmers' Institutes during December, 1905, were briefly outlined and published as Circular No. 82 of the Bureau, "Hints to Poultry Raisers." He revised Farmers' Bulletin No. 64, of the Department, and has written a bulletin for the Bureau on "Poultry Management," which is now in press. Mr. Bell is now engaged on the revision of Farmers' Bulletin No. 51. In addition to other duties, Mr. Bell represents the Bureau in the experiments in poultry breeding in cooperation with the Maine Experiment Station, and with the Rhode Island Experiment Station in turkey breeding.

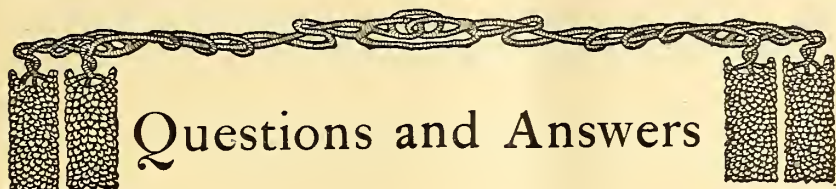
During the time Mr. Bell had charge the poultry work grew rapidly and it soon became evident that a man should be employed to devote his entire time to the subject. It was also found desirable to take up feeding experiments with poultry. Accordingly, the Civil Service Commission held an examination in May of this year for the position of Poultry Assistant, and Mr. Rob R. Slocum, of New York, was duly certified and appointed.

feel satisfied with his selection, and should show a willingness to lend its aid to assist the department in ever way possible.

## Another Hen Story

Our agent, Mr. L. B. Adams, informs us that New York is not so far ahead of New Jersey, he having met in his travels with some hens that never walk, but hop about, and yet are wonderfully good layers. Will wonders ever cease? We congratulate Mr. Adams on his successful business ventures.





## Questions and Answers



OME of my fowls have been attacked with what the neighbors call limberneck. They seem to go blind, stretch out their heads, twist their necks, walk backward, screw about as if they had lost all control of the head and neck, and had but little left in the body. What remedy can I use?—J. Y. F.

A. Limberneck is the result of ptomain poisoning of some kind. Decayed meat full of maggots is the usual cause. Some claim that the live maggots moving about in the crop so irritate it as to communicate through the nerves to the brain and cause the peculiar twist of the neck. No matter what the real cause may be, whether it is the meat or the maggot, the ptomain poison taken into the system paralyzes the brain and causes the trouble. The surest relief from this is by mixing a tablespoonful of turpentine in an equal amount of warm water, and pouring the same into the crop. Follow this with warm water, until the crop is nearly filled. Take the fowl up by the feet, head down, and gently work the entire contents of the crop into a box partially filled with earth. The reason for using the box of earth is so that the refuse of the crop may be buried deep away from any possibility of other fowls or dogs consuming it. Wash the crop out in this way two or three times if necessary. When thoroughly cleansed, administer a tablespoonful of warm castor oil, and leave the fowl in a quiet, cool place by itself to recover. It is always best to confine it to itself, so that the place may be thoroughly cleansed after the fowl has recovered or died, whichever may be the outcome of the treatment. If not too many are attacked, we suggest destroying the ailing ones, burning or burying the carcass. To prevent all this, never permit putrid meat of any kind to lay about for fowls, pigeons, dogs or children to eat, as it is likely to injure them the same as it does the fowls.

### ONLY HEARSAY

Q. Have read in papers that nux vomica fed to young chicks is a fine thing to keep away hawks. The article says that if a hawk, a cat or a rat eats a young chick that has been fed nux vomica, it will kill these animals, but that the nux vomica will not hurt chicks. What do you know about this?—J. H. V.

A. We have noticed a great deal of correspondence in the Farm and Ranch relative to this matter. It seems that the people in the South, where the hawks and crows are most prevalent, feed a teaspoonful of powdered nux vomica every nine days to from twenty to twenty-four young chicks; that the same is fed to the young turkeys; that it does not kill or injure the young chicks of poults, but that hawks or crows never come back for the second one after they have had one dosed with this poison; that if ducks, children, colts, or calves should get a teaspoonful of it, it would kill them. Why it does not kill the young chicks or the young turkeys, we do not know, but have been told that when the nux vomica is eaten by the old

hens, it may not injure them, but that it poisons the eggs they lay. We should be very pleased indeed to have an article on this nux vomica question from some responsible writer, who can give full particulars. We could not advise its use without fear of bad results from same.

### REGULAR THING

Q. Will you kindly inform me of some remedies that may be made use of for feeding to young chicks and poults to prevent the possibility of bowel trouble during the heated term in our locality.—J. C. K., Texas.

A. We have been told that if dry wheat bran is used as a covering for the floor of a feed box, and if nothing but a dry grain ration is fed to the young chicks, and pure water and grit is set near by for them, it will prevent these ailments. In addition to these, some use very stale bread ground very small in a coffee mill, and some fine ground chop. This is a meal made of equal parts of oats and corn, ground very fine with the oat husks sifted out and fed in the bran. These are said to be the safest remedies against this trouble in poultry in the very hot climates. We should imagine that any kind of dry feeding, cleanliness and freedom from insect vermin would do equally well.

### TOO LATE NOW

Q. Will you kindly inform me where I could obtain some eggs from fine quality geese, which I might hatch under some hens and grow breeders for myself another season. I would prefer the White Embden, if I could get them. How old should geese be to become the best for breeding. How long will they last for breeders? How shall we care for them?—J. L. B.

A. It is entirely too late this season to secure eggs from geese for hatching to be successful with them. You should have had them earlier in the season, as it takes four weeks to hatch the goose eggs. You had better purchase a pair or trio this fall or spring for another season. Geese at two years old are better for producers than when younger. They improve each year, some claim, up to ten or twelve years old. It is always best never to keep the same gander over the fifth year. They often become ugly and quarrelsome after that age. We should always advise keeping white geese, where only a few are kept for home purposes, if for no other reason than that the white feathers are more valued for pillows and beds.

### SCALY LEGS

Q. I purchased a short time ago a trio of Cochins bantams. They were very thin in flesh, some of the feathers off their heads and necks, and a most peculiar odor seemed to accompany them. I called in a neighbor who told me that my bantams were swarming with lice and suffering to such an extent with scaly legs as to make them lame, and this caused the peculiar odor. What do you think of a fancier who would send an amateur such

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Buff Rock Specialist.—Fine Breeders in Cocks, Cockerels, hens and pullets, \$1.00 and \$2.00 each, bred from my New York State, Springfield, Rochester, Boston, and Madison Square winners. Exhibition birds cheap. OREN HANES, South Colton, New York. 12-1

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Choice Cockerels at Low Prices From Our Winning strain of Blue Barred Plymouth Rocks. Also, a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-1

Buff Rocks (Nugget Strain).—A Few Extra Fine large yearling breeding hens, splendid layers at half price while they last. ARTHUR TAYLOR, Washington, N. J. 12-2

1,000 Buff Rock and White Wyandottes For Sale. "Nugget's" and "Duston's". Hail has partly ruined my crops, I must sell. ALLEN SECHRIST, Port Trevorton, Pa. 12-2

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Barred Rocks and White Leghorns.—Have Some very fine pullets \$1.50 each. Eggs \$2.00 per 15. \$10.00 per hundred. SHAWNEE POULTRY FARM, R. F. D. No. 22, Louisville, Ky. 12-33

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Selected "Fishel" White Rock Cockerels.—Excellent breeders and show birds at reasonable prices. Especially good in color. W. P. NORTHUP, Jr., No. 2, Addison, N. Y. 12-3

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Barred Rocks, Bradley Strain.—After a most Successful breeding season, now have the finest lot of young stock I ever saw. Excellent color, shape, style and size. Choice Cockerels at very low prices; some very fine Exhibition Cockerels at fair prices. Send for catalogue. H. L. FISKE, Meyersdale, Pa. 12-1

Buff Plymouth Rocks and White Wyandottes.—Golden Nugget and Fishel strain. Cockerels and pullets from choice matings for sale. Cockerels, \$2.00 to \$5.00; pullets, \$1.50. MRS. HARRY FARNHAM, Vermillion, Ill., R. R. 32. 12-3

The American Fancier's Poultry Book, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price 50 cents, postpaid. Address GEO. E. HOWARD, 714 12th St. N. W., Washington, D. C.

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A Bargain in S. C. Buff Leghorns.—25 Hens \$1.00 to \$2.00 each. Pullets and Cockerels 75c each. MISS J. R. JONES, R. F. D. 1, Tobaccoville, N. C. 12-2

50 Rose Comb and Single Comb White Leghorns For Sale. Cockerels and pullets; Pairs \$1.50; trios \$2.00. Good stock. WHITE HOLE POULTRY YARDS, Springdale, Pa. 12-1

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Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-1

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Choice Cockerels at Low Prices From Our Winning strain of snow white Wyandottes. We also have for sale a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-1

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-1

America's Best Silver Penciled Wyandottes.—Winners at Madison Square Garden and the New York State Fair. SUMMIT HILL POULTRY FARM, Box F, Apulia Station, New York. 12-1

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Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose Comb Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. tf

Pocket-money Poultry, by Myra V. Norys. Written primarily for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping and thoroughly illustrated. Price 50 cents, postpaid. Address GEO. E. HOWARD, 714 12th Street N. W., Washington, D. C.

## PHEASANTS

Pheasants.—Pheasants Pay 500 per ct. Better than Poultry. Price list for stamp. Lowest prices. Eggs in season. Reliable Pheasant Journal, 50c. UNITED STATES PHEASANTRY, Poughkeepsie, N. Y. 12-2

## ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators, who naturally have the best. Illustrated catalogue, 10c to cover postage. WM. COOK & SONS, Box 17, Scotch Plains, N. J. tf

S. C. Buff Orpingtons.—Stock For Sale.—Prices reasonable. Eggs 75c per 13, \$1.50 per 30. MISS J. P. JONES, R. D. 1, Tobaccoville, N. C. 12-3

500 Single Comb Buff Orpingtons.—Bred From My winners at New York, Chicago, Newark and Trenton. Special price on stock for next 60 days. Be sure and write me before buying elsewhere as these birds are going at reasonable prices to make room. H. W. ACKERSON, Box 96, Washington, N. J. 12-3

S. C. Orpingtons.—Some Bargains in Extra Choice stock, both old and young. Write your wants. JOSEPH S. RIEGEL, 1971 Summit St., Toledo, O. 12-3

White Orpington Home.—Single Comb White Orpingtons are line bred from first prize winners and for superior egg production. Prize, exhibition, breeding and utility birds for sale. Write requirements. EARL L. COOK, Munnsville, N. Y. 12-3

Special Cockerel Sale of the Finest Buff Orpingtons in existence. It will pay you to write for our free circular and price-list before ordering elsewhere. First and second prize birds in Cocks and Cockerels for sale. WOODLAWN POULTRY YARDS, Box 90, Sandy Spring, Md. 12-3

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## HOUDANS

Bradley's Houdans Always Win and Are Bred for utility as well as fancy. Write your wants. T. J. BRADLEY, Box A, Delmar, N. Y. tf

Houdans.—Faultless Strain.—World's Fair, 1st cockerel, 1st hen, 3d pen, 4th pullet. Chicago. 8 blue ribbons in two years, winning over every prominent Houdan breeder on the continent. Look up our large ad. E. F. McAVOY, Schenectady, N. Y. 12-3

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## TURKEYS

Half-Wild, Half-Bronze.—Anxious to Raise Turkeys? Fine young and old stock for sale. Full Wild tom. Special inducements to early buyers. BERTHA M. TYSON, Rising Sun, Md. 12-2

The Homing Pigeon. The Latest Book on These fascinating birds. 16 mo., printed on excellent paper, and profusely illustrated. It is a little gem. Price 25 cents. Address GEO. E. HOWARD, 714 12th Street N. W., Washington, D. C.

## FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvelders. Send stamp for circulars. DR. PHELPS, Glen Falls, N. Y. tf

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## DUCKS

Rouen Ducks.—World's Best.—A Few Fine Birds for sale. Prices reasonable. Satisfaction guaranteed. Circular free. Write. F. D. FOWLER, Carlinville, Illinois. 12-9

Wild Mallard Ducks in Full Plumage, Only \$3.00 per pair. These ducks are thoroughly domesticated and can be kept and bred anywhere. JOHN G. GERRISH, East Haven, Conn. 12-2

Wild Mallard Ducks, \$3.00 Per Pair.—These ducks are thoroughly domesticated. Satisfaction guaranteed. Address, JOHN J. BROERTJES, Box No. 403, Hammond, Ind. 12-2



[CONTINUED FROM PREVIOUS PAGE]

stock? What can I do to cure them? Have used two pounds of insect powder and have them freed from lice?—R. M. T.

A. Would not call one who would sell such stock a fancier at all; he must be a huckster. You have done right to rid the bantams of lice. Thoroughly soak the feet and shanks to the knee in kerosene oil once a day. Continue to do this for at least two weeks. Each day use a stiff brush to remove some of the coating of the shanks and feet. Do not pull it off to break the skin, for that will bring the blood; gradually work it off in this way until it has become fairly well dissolved, then soak it thoroughly, wash the shanks and feet with soap and plenty of warm water. If this treatment makes them reasonably free of the scale, use carbolated vaselin as an ointment, and continue the use of this until you have got the shanks smooth and clean. We imagine, however, that you will never get them thoroughly cured. Do not use these hens to hatch the bantam eggs; use only hens that are perfectly free from this trouble, as it communicates very readily from the mother hen to the young chick.

## MAKING COOPS

Q. Soon the fall fairs and winter shows will be upon us, very few of which provide suitable coops in which to show turkeys. Can you advise me how to construct a good exhibition coop for turkeys, geese and other large fowls that I could carry along with me and make use of for exhibiting my own stock at fall fairs and winter shows?—W. H. J.

A. Exhibiting turkeys and water-fowl at fall fairs especially is usually most unsatisfactory from the fact that the coops are so small that neither the turkeys, the judge nor the people can satisfactorily view one another. We should suggest making a knock-down coop, with a board floor and feet underneath, like table legs. Make the legs about eight inches in length, the platform inside from three to six up. Make two sides and two ends to fasten down onto this platform with screws, clamps or flanges; the top to be placed thereupon, the middle section to be fastened down tight on the sides, the two end sections to raise up and down like doors; these to be fastened down by lock, and to be opened by the judge to examine the stock. This manner of coop could be knocked down, carried about from place to place quickly, and set up outside of the poultry buildings in the open. The legs will raise it from the ground. Such a coop is splendid to place water-fowls in when a heavy rain is falling. This cleanses their plumage, which may be aided by throwing a few buckets of water over the fowls.

## BROODY

Q. Will you kindly tell me how best to break up broody hens? It is scarcely necessary to communicate to you the fact that when my fowls get it, they have it bad. I have done everything but kill them, and yet they will not stop.—F. S.

A. There are two methods that are always successful in the breaking up of broody hens, both of which are kind and

void of cruelty of any kind. One method is to arrange a small yard—if covered with grass so much the better—say a pen six or eight feet square, right on the ground in the open, in which the hens may be placed, leaving a young cockerel in the yard with them. We have handled Cochins, the worst of all, and we always kept a yard of this kind in which every broody hen was kept, and in a few days the worst of them had forgotten their trouble, and were ready to return to the laying pens again. The other method is to make a coop of laths or strips of wood. Make this coop about three feet square, which is the length of the laths, fasten a rope to the center of this, so as to swing it from the ground, hang it inside a coop, or outside under a tree, place the hen therein, furnish her some food and water, and very shortly she will be over her troubles.

## Of General Interest

The Southern papers are speaking loud in the praise of poultry, especially the young chick, as insect destroyers. Games, Leghorns—in fact, all the active breeds—are represented to the cotton growers of the South as a splendid adjunct to the cotton fields. "Let the mother hen and the young chicks roam over the cotton fields," writes the expert of the South, "and they will assist you in growing your crops."

The growing of White Holland turkeys has largely increased within the last few years. The introduction of new blood into these has increased both size and vigor. This warrants a more certain growth of the young stock which brings into favor the White Holland. There is no reason why the white turkeys should not be as profitable as any other, if the parent stock from which the pouls are grown are strong and vigorous.

Those who sell their eggs at 30 cents a dozen or better all the year around gain these prices through extraordinary effort on their part in the way of hustling for trade. They seek the better market and cater to it with quality, cleanliness and prompt delivery. This is the way to build up a trade in high-priced poultry and eggs.

It is impossible to cull your flocks too closely. Always draw from the poor quality for market purposes and to sell. Never permit the best and most valuable to go from your possession, unless it is in the way of an exhibition specimen, which perhaps can be as well spared from your flocks as not. What you should hold fast to are the most vigorous, most profitable producers, and cultivate them for future results.

Old folks, young folks, middle-aged people, horses, cattle and poultry all depend on plenty of natural exercise to sustain health and vigor. Without the proper amount of exercise none of these can do their best. Cultivate healthful exercise all along the line for the best results with your industry.



## Business World



**FRIEND ZIMMER**, of Gloversville, N. Y., is out with a brand new circular for the autumn of 1906. This is the fourteenth annual from the home of F. B. Zimmer, where bantams, Angora cats, beagles and bulldogs are grown to perfection. Write to Mr. Zimmer, at Gloversville, for his new catalogue of his pets.

Mr. Percy Cook, the manager of Wm. Cook & Sons, of Scotch Plains, N. J., is in England looking over the results of the season's breeding there, and expects to bring back with him some of the most choice specimens from their English farm. Mr. Cook reports, most favorable results both at Scotch Plains, Kent, England, and Johannesburg, Africa.

Mr. Carl L. Heumann, formerly of Berwyn, Md., has moved to Laurel, Md., and again connected himself with an extensive plant, on which will be grown the same high quality of Rhode Island Reds, White Plymouth Rocks and White Leghorns, for which Mr. Heumann has been so well known. All of his friends are notified to address him at Box 1055, Laurel, Md., for the best of the kinds he breeds.

The Oleo Remedy Co., of East Twenty-third street, New York City, is most noted in their line of chemical preparations. Their Oleo is suitable for use in the home, the stable, the kennels and the poultry yards. Their preparations have world-wide reputation. Look up their advertisement in our columns and write for one of their illustrated circulars.

The illustration in our September issue of Mr. Kinzer's Pekin ducks was a fair representation of the beautiful specimens that he sends out from New Holland, Pa.

Mr. M. L. Armstrong, of Smethport, Pa., reports having a White Minorca pullet hatched March 17, which commenced laying the 28th of July. The first month she produced twenty-one eggs. Quite a showing for the White Minorcas.

Mr. Harry E. Bair, of Hanover, Pa., has been most successful this season with his Wyandottes and Homing Pigeons. He is quite active in the poultry business in that locality.

Mrs. Frank Metcalf, of Warren, Ohio, reports great success with her Buckeye Reds this past season. She forwarded to us a short time ago a pair of her finest specimens for our inspection and to have them photographed for future use in our books and publications. These specimens were quite attractive, indeed.

Dawson Brothers, Franksville, Wis., furnished us the photographs from which the illustration of the colored Muscovy duck in our recent issue was made. These people are pioneers in the cultivation of high class water fowls in their neighborhood, and are worthy of consideration by all.

We are glad to see that Buff Cochins are beginning to look up in the world. Mr. Edgar H. Swaim, of Martinsville, Ind., has just captured first, second and third prizes on pullets in strong competition. He writes us that the Cochins he has now remind him of the exhibits formerly made at Indianapolis.

A catalogue, 1905-1906, of the Cornell Agriculture College, Storrs, Conn., has just come to this office. Every one interested in agricultural college subjects should write for one of these catalogues. Many things contained therein are of special interest to poultrymen.

All interested in waterfowls should address a postal card to C. J. Ross, secretary, 289 Fourth street, New York City, and ask him for the latest information about them.

The Poultry Standard has been sold to the Central Publishing Company, of Columbus, Ohio, and will be moved to Stamford, Conn., from the capital of the Buckeye State. Mr. Arthur Martin will be the manager of the new company.

We are in receipt of a copy of "Poultry Keeping in a Nut Shell," just issued by Poultry Success Co., of Springfield, Ohio. This book is from the pen of Henry Trof-ford, and tells its story as indicated in the title of the book. Each branch of the interest is handled plainly, concisely and to the point. Those interested in poultry and poultry literature should send for a copy of this book, the price of which is 50 cents.

The management of the Bureau County Poultry Association, Princeton, Ill., is issuing a little bulletin relative to their poultry show. They are hard workers. Secretary Frank R. Bryant will make a success of a thing of this kind if success is possible. All interested in a poultry show in that locality should write to the secretary for a copy of this little paper.

We would call the attention of our readers to the fact that Prof. John Evans, he who manufactures the great poultry remedies so well known to the trade, has his home at Meshanticut Park, R. I., and would like every reader of THE FEATHER to send direct to him for one of his circulars which tells many secrets connected with the successful handling of fowls.

No one should attempt to keep poultry in a good healthy condition without a spraying apparatus for throwing insecticides into the nest boxes, crevices, and about the roosting places in the hen house. The use of one of these makes it possible to reach every hidden spot and saves a wonderful amount of material used for destroying the vermin. The Lenox Manufacturing Co., of New York, advertise a most efficient apparatus in this issue of the paper.

"I received your paper all right. I want to say that I am very much pleased with it."—Thos. Pate.

**Wild Ducks.**—Pin Tail, \$5.00; Mallard, \$5.00; Blue and Green Wing Teal, \$5.00; Red Head, \$3.00; Blue Bill, \$3.00; Gad Walls, \$8.00; Spoon Bill, \$7.00; Wood Duck, \$16.00; Widgeons, \$8.00. Also Rouen at \$3.00; Colored Muscovy at \$3.00 per pair. African Geese at \$6.00 per pair. Order from this ad. MEDFORD FARM, Nickersaw, Kans. 12-3

**Choice Pekin Ducks.**—At Reasonable Prices For Extra Fine stock. Special inducements to those buying during fall months. Splendid layers. BERTHA M. TYSON, Rising Sun, Md. 12-3

**The American Fancier's Poultry Book**, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price 50 cents, postpaid. Address GEO. E. HOWARD, 714 12th Street N. W., Washington, D. C.

### FANCY PIGEONS

**Pigeons!** Thousands! Homers, Runts, Dutchess, Burmese Hen, Polish Lynx, Carriers, Dragons, Ponters, Pignettes, Fantails, Jacobins, Owls, Turbits, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. tf

**Fancy Pigeons.**—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. tf

**For Sale.**—Pigeons of the Following Kinds: Jacobins, all colors; Black and Blue-winged Turbits; Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. tf

**Remember Before Placing Your Order for Homers, Carneys, Mondaines and Maltese hens.** send stamp for my low prices and circular. F. BURTT, JR., Englishtown, N. J. 12-3

**Large Mated Homers, Lowest Prices, Producing Heavy squabs; fancy pigeons cheap; forcing squab—breeding, tell male from female, etc.; 35c. Catalogue for stamp. FRED SUDOW, Poughkeepsie, N. Y. 12-8**

**German Pigeons.**—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and 100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

**200 Pair Mated White Homers.**—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

**Money in Squabs**, by J. C. Long and G. H. Brinton. The only practical book published on raising squabs for market, and is of untold value to all interested in raising pigeons for pleasure or profit. Profusely illustrated. Price 50 cents, postpaid. Address GEO. E. HOWARD, 714 12th St., N. W., Washington, D. C.

### UTILITY PIGEONS

**For Sale.**—To Make Room 10 Prs. Carneau, 5 pairs Runts, 10 Young Dragons, 5 pairs Red Homers. FRED I. BARNEY, East Providence, R. I. 12-3

### FERRETS

**6000 Ferrets.** Some trained specially for rats. Book and circular free. LEVI FARNSWORTH, New London, Ohio 12-4

**Send 25c for Catalogue and the Greatest Book Published in the U. S. on the ferret and work done by dogs and ferrets.** Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

### CATS

**Beautiful Angora Kittens**, the marked ones at \$3.00 each or \$5.00 a pair. One white female at \$5.00. Stamp for particulars. MRS. J. FRANK HOTTEL, Manerstown, Va. 12-1

### FOR SALE

**For Sale.**—200 S. C. White Leghorn Hens, 1 Year old, "Wyckoff Strain." M. K. STROUD, Herndon, Va. 12-2

**50c Per Doz; \$3.50 Per Hun.; Wyckoff's Strain.** W. Leghorn Eggs. New illustrated catalogue free. BISHOP'S POULTRY FARM, West Cheshire, Conn. tf

**For Sale.**—60-Acre White Leghorn Egg Farm, Near Railroad and Trolley. BOX 63, West Cheshire, Conn. tf

### HOMING PIGEONS

**Homing Pigeons.**—I Have a Number of Fine cocks in Blue and Black Chequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race st., Philadelphia, Pa. tf

**High-Class Homer Pigeons for Squab Raising**, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

**For Sale.**—A few thoroughbred Homers for Squab breeding, of prime breeding age, and large size. Cheap for quick sale. W. L. DUBOIS, Silver Spring, Md. 12-1

**For Sale.**—From One to One Hundred Pairs Guaranteed mated Homers for squab raising; first-class birds, one to three years old, \$2.00 a pair. JAMES E. MILLER, Sandy Hill, N. Y. Reference: Peoples National Bank. 12-2

**150 Pair Homers, First-Class Squab Breeders.**—As we intend to move we offer the entire lot. WEBER BROS., R. 4, Hagerstown, Md. 12-2

**World Beaters, Racing Homers.**—The Strain That First flew one thousand miles. Full pedigree with each bird. CLIPPER HOMING LOFTS, Bond and Millman Sts., Baltimore, Md. 12-3

**Grand White Homers, the Kind That Stay White.** Seamless Banded, Mated Pairs, \$2.00. Imported Homers, show birds, \$3.00 pair and up. Grand Blood for racing. Young pair \$1.00. Every bird must be O. K. or your money back. FRED KINTZ, U. S. Letter Carrier, Seven Valleys, Pa. 12-1

**For Sale.**—Two Hundred Pure, White, Thoroughbred Homers, \$2.00 per pair for breeders; \$1.50 per pair for youngsters. JAMES F. RICH, Wellfleet, Mass. 12-3

**Homers For Large Squabs.**—Two to Six Months old, \$1.00 a pair. Experience breeding for nine years. Pairs selected if possible. E. L. YERGEY, Douglassville, Pa. 12-3

**Large, Healthy Show Homers \$3.00, White Homers, \$2.00, Colored Homers \$1.50.** Only good mated birds sent out. JOHN J. HERTZ, 27 Hanover Street, Hanover, Pa. 12-2

**Homers.**—Our Strain the Best For Squab Raising. We guarantee our birds mated, giving a certificate of mating with each shipment. Circular free. PASSAIC SQUAB CO., Dept. F. Passaic, N. J. 12-3

**The Homing Pigeon. The Latest Book on These fascinating birds.** 16 mo., printed on excellent paper, and profusely illustrated. It is a little gem. Price, 25 cents. Address, GEO. E. HOWARD, 714 12th St. N. W., Washington, D. C.

### POLISH

**White Crested Black Polish Single Birds.** Pairs and trios. Silver cup winners at World's Fair, Boston and New York City. Write for wants. CHAS. L. SEELY, Pres. Am. Polish Club, Afton, N. Y. 12-2

**Buff Laced and White Crested Black Polish;** young and old birds for sale. All bred from prize winners. A few April batched Cockerels left. Write your wants. VAN DAVIS, Detroit, Mich. 12-1

### ANDALUSIANS

**My Peerless Blue Strain Andalusians Won Ninety premiums.** Hens and cockerels for sale. Quality and prices right. Satisfaction guaranteed. Circular. R. QUACKENBUSH, Baldwinville, N. Y. 12-3

### ANCONAS

**Anconas, Rose and Single Comb Black Minorcas.** Bred from prize stock and great layers. Eggs and cockerels for sale. FRED H. SHAW, Delhi, N. Y. 12-3

### COCHINS

**For Sale.**—A Few Choice Buff Cochins Cockerels. Bred from exhibition birds scoring 93 to 84 points. Prices right. EDGAR H. SWAIN, Martinsville, Indiana. 12-3

### GAMES

**Cornish Indian Games and B. P. Rock For Sale** cheap. Write for what you want and get prices. H. B. SWARNER, Plainfield, Pa. 12-3

**Cornish and White Indian Games, White Exhibition Games.** Stock For Sale. \$5.00 trio up. N. B. Warner, Hamilton, Va. 12-3

**Selling Games at Starvation Prices.**—Irish Black Reds, Tornadoes, Heathwoods and Cornish Indians; free circular. Buy now and save money. C. D. SMITH, Fort Plain, N. Y. 12-3

### WANTED

**Camera or Cash For First Pen Rhode Island Reds** (Auburn). 50 Plymouth Rocks, Homers, exhibition White Homers and Blue Magpies. Catalogue free. WM. HARRIS, W. Genesee St., Auburn, N. Y. 12-3

### BUCKEYES

**Buy Buckeyes From the Originator.**—Best Stock ever this year. Pullets began laying August 9. Prices right. MRS. FRANK METCALF, Red Feather Farm, Warren, Ohio. 12-2

### BELGIAN HARES

**Heavy Weight Belgian Hares, Bred From Choice Pedigreed and prize winning stock.** Write your wants. THE PLEASANT VIEW RABBITRY, Clark Pa. 12-5

### SUPPLIES

**Colored Leg-Bands.**—Band Your Poultry, Pigeons, in colors; identify them at sight. Price list, samples for stamp. A. P. SPILLER, Beverly, Mass., Dept. A. 12-3

**Selling Out.**—Record Trap Nets, Fountains, improved feed troughs, leg bands, caponizing sets, egg-cabinets, etc. DR. McWILLIAMS, 3456 Michigan ave., Chicago, Ill. 12-3





## Shows and Their Dates



THE Greenfield Poultry Association, of Greenfield, Ohio, will hold their third annual show December 31, next. This is one of the advanced association of the state. They have engaged D. J. Lambert as judge. They have a fine line of officers, an active executive committee, and they invite their friends to come and exhibit with them through the means of an engraved circular. Lee W. De Voss is the secretary.

The Prairie Depot Poultry Association of Ohio will hold their third annual show November 28, 29, 30, and December 1. J. E. Gault will be judge; H. L. Hodges, secretary.

Northwestern Pennsylvania Poultry, Pigeon and Pet Stock Association will hold their annual show at Erie, Pa., the week of November 26 to December 1. Chas. McClave, judge; A. A. Goldsmith, secretary.

The Northern Oklahoma Poultry and Pet Stock Association will hold their ninth annual exhibition in Poca City, Okla., December 18 to 22, 1906, with M. S. Fite as judge. J. Flem Smith is the secretary.

The annual exhibition of the Winsted, Conn., Poultry Association will be held in Winsted Armory, December 11 to 14 next. L. C. Capewell is the secretary.

The Elgin, Ill., Poultry Association will hold its eighth annual exhibition at Elgin, Ill., January 1 to 5. Winfred W. Britton, secretary.

The annual exhibition of the Upper Iowa Poultry Association will be held at Mason City, Iowa, December 17 to 21. H. V. Bickell, Mason City, Iowa, is the secretary.

C. E. Hodgkins writes that there will be an unusual list of special prizes given out at the Northampton, Mass., Poultry Show, November 27 to 29. This is an old association which stands very high throughout New England. Mr. Hodgkins, the secretary, is anxious that all poultrymen should have one of the lists of the show.

The Central Illinois Poultry Association will hold their exhibition in the city of Effingham, December 17 to 21 next. This association is very anxious, indeed, to have the encouragement of all fanciers and exhibitors in their locality, as well as those from a distance. David J. Cook is the secretary of the association.

The North Baltimore, Ohio, Poultry Association will hold their fifth annual show during the week of January 8. G. B. Smith is the secretary; C. W. Zimmer, judge.

The St. Marys Poultry and Pet Stock Association,\* of St. Marys, Ohio, will hold their next annual show in that city during the week of December 12. F. F. Aschbacher, secretary.

The fourth annual exhibition of the Atlanta Poultry Association will be held January 7 next, and will be judged by comparison. Mr. H. Reils, secretary, at Atlanta, will furnish full information.

We are informed by Jones, the Java man, of Suffield, Conn., that the Springfield Fanciers' Club, with nineteen charter members, was organized a short time ago in Graves' Hall, we presume, of Springfield, Mass., although the information does not name the city. W. R. Graves was elected secretary. They propose to hold a show December 12 to 15 next. The old association seems to have been dissolved and the new one called to take charge. We wonder whether they will hold a comparison or scorecard show.

A new poultry association has been formed at Rochester, N. Y., known as the Genesee Valley Poultry and Pigeon Association. Mr. A. Neuman, 12 Seldon Street, is the secretary.

Vineland, N. J., Poultry and Pet Stock Association will hold their winter show during the week of November 22. This is one of the successful organizations of New Jersey, and the secretary will be pleased to furnish information to all sending to him for same.

Geo. H. Hughes, secretary of the South Jersey Poultry, Pet Stock and Pigeon Association, announces that the third annual show takes place during the week of November 28. Please address him at Bridgeton, N. J.

Harrisonburg, Va., is to have a poultry show, and Geo. O. Brown will be the expert judge. This will be a two-day meeting for the benefit and promotion of better feeling and better poultry among the fanciers of that locality. Every one is invited to send his name to C. O. Heaton, secretary, Harrisonburg, Va., so he can send full particulars relative to the show.

Secretary Herner, of Newton Falls, Ohio, wishes every one to know that he is ready to send out premium lists for the winter show to be held at that place Thanksgiving week. Every one should take part in this holiday occasion.

The poultry fanciers in and about Ash-tabula, Ohio, have organized a North Eastern Ohio Poultry and Pet Stock Association for the purpose of holding a score card show the coming winter. They expect to employ the best of judges. D. D. Whitaker is the secretary of the association.

### MISCELLANEOUS

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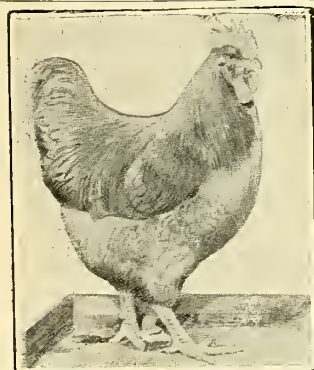
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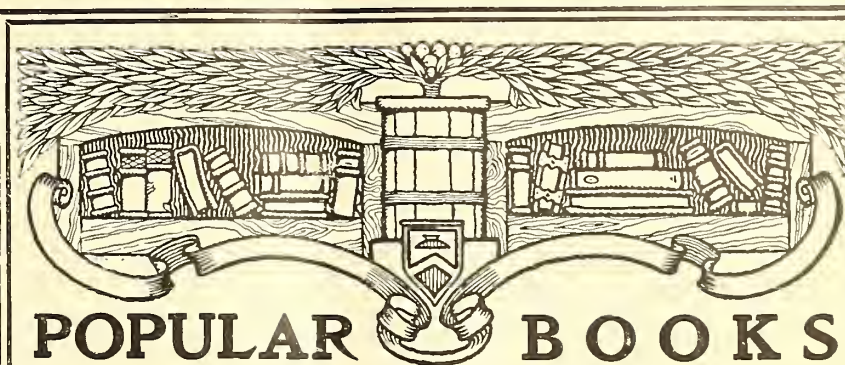
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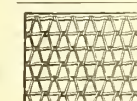
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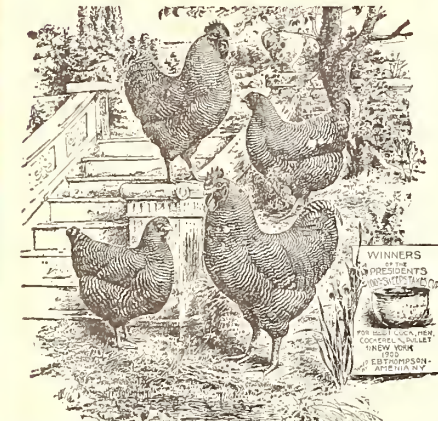
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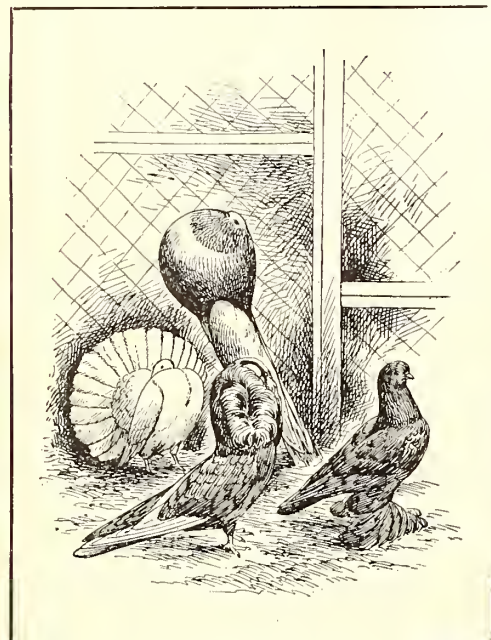
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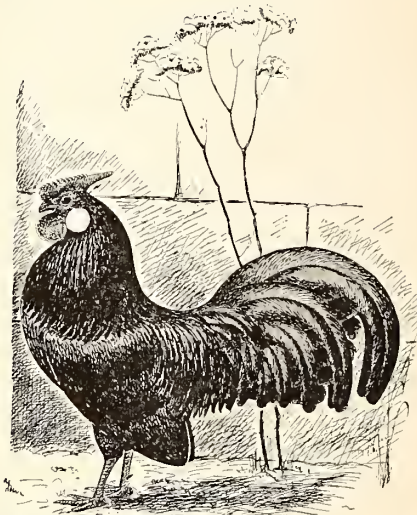


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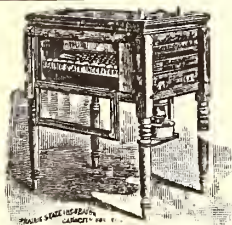
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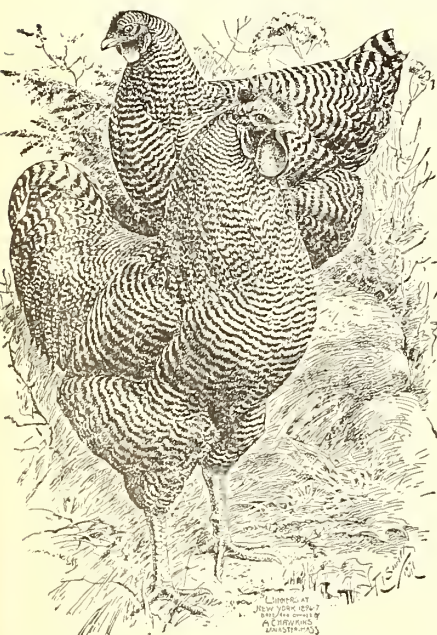
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At New York, in the largest show of Barred Rocks ever seen, **451 Birds**, I won 1st, 2d, 3d and 4th Cockerels; 1st, 2d and 3d Pullets; 1st and 3d Cocks; 1st and 2d Hens; 1st and 2d Breeding Pens. My other varieties are of the same high quality. **Hundreds of choice exhibition and breeding birds at honest prices.** EGGS from Prize Matings: One setting, \$5.00; two settings, \$8.00; three settings, \$10.00; five settings, \$15.00. \$20.00 per 100. Catalog of America's finest Plymouth Rocks and Wyandottes free.

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First Cockerel at New York.

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GEO. E. HOWARD, Publisher

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WHEN  
EGGS  
ARE  
HIGH

## HARVEY'S CUT CLOVER

Did you ever feed a green poultry food in winter? You should if you expect your hens to lay as well as they do in summer. It is one of the things that they lack—one of the reasons they stop laying. Our **Cut Clover Hay** makes hens lay and at a very low cost. Suppose you try it. Send for free catalog of Everything for the poultryman and learn more about this food.

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WILL  
INCREASE  
THE  
SUPPLY

## 10,000 CHICKENS Raised With 36 Universal Hovers

Here is some more evidence of the wonderful adaptability of Prairie State Universal Hovers. During the past season W. R. Curtis & Co., on their famous Niagara Farm, at Ransomville, N. Y. successfully raised **Ten Thousand and Chicks** with thirty-six Prairie State Universal Hovers. They have used as many as four hovers in one house, transferring them to other houses after the chicks no longer require them. Messrs. Curtis further state that during the rush season it was necessary to place in some houses as many as three hundred chicks, and the greatest loss in any of these instances did not exceed ten chicks. Can you conceive of a more economical and successful manner of rearing chicks?

Poultry-raisers are taking their heating apparatus out of other makes of brooders and installing in their place Prairie State Universal Hovers. We are at present remodeling brooding houses on large poultry plants, taking out expensive pipe systems that have proven unsuccessful and installing our modern brooding devices.



One of 40 Colony Houses used on Niagara Farm—fitted with Prairie State Universal Hovers

Think of this if you want to raise more chicks next year. Let us plan your brooding system for you now. Do not hesitate because your wants are not great, our systems fit the greatest or smallest plants and are as profitable for the little fellow as for the big one. Remember we positively guarantee our Brooding Systems. Write for our catalog, it shows the way and the why.

**PRAIRIE STATE INCUBATOR CO.**  
481 Main Street, Homer City, Pa.

## JOHN WHARTON HONEYCOTTE, HAWES Yorkshire, England

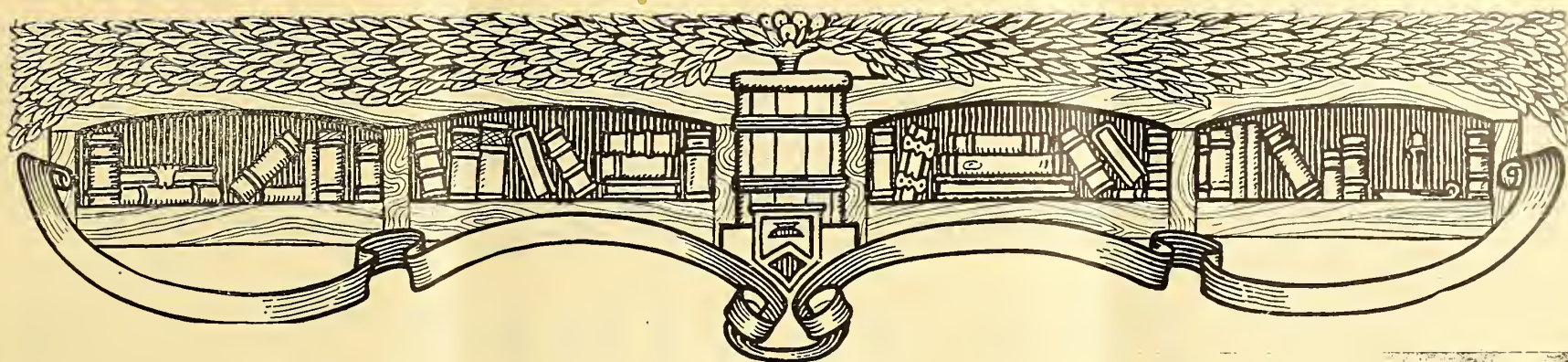
Will be pleased to purchase fowls of all kind for you in England.

Reference, this Paper.



**1885—QUALITY : EGGS : CONSTIUTION—1906**  
and B. Wyandottes, W., Buff and Pencilled Ply. Rocks and Hottians. Range-raised on 300 acres. Every bird a Prize Winner, or the son or daughter of a prize winner. No Co. nty-Fair Records—186 Firsts, 68 Gold Specials, 12 Silver Cups, won at New York, Boston and Washington, shows the quality of blood we are breeding, which has for years, and is to-day, producing prize-winning specimens in all sections of this country and many parts of Europe. "Like begets like." Catalogue. Satisfaction guaranteed.  
**J. FORSYTH, Owner. Owego, Tioga County, N. Y.**





## For Our Patrons



THE editor of THE FEATHER has devoted a great portion of his time during the last twelve years to the interest of poultry culture in all its branches. THE FEATHER and a most valuable list of books have been published and thousands of them sold throughout the country, all of which has greatly benefited the poultry interests of the land. Bulletins have been carefully prepared and published by the Government, adding greatly to the income of all who have poultry to sell.

We have recently taken up an entirely new method of presenting poultry interests through the columns of THE FEATHER. Better illustrations, more instructive reading matter and many things that have increased the public interest have been added as new features to this poultry magazine. We hope to add many more, which we trust will prove most beneficial to our patrons. We do, not wish to present to an exaggerated extent the product of any one fancier or locality. We try to touch upon every subject of interest, so as to cover every foot of ground throughout the land where poultry is grown.

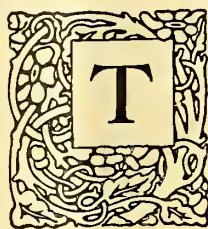
## Our Illustrations

The illustrations made use of are representative of the breed or variety rather than the product of an individual breeder. The photographic enlargement of Mr. Lord's Buff Wyandotte was made from a photograph of the bird taken by Mr. Schilling. The other illustrations in Mr. Lord's write up were taken by our own camera. The illustration of the group of turkeys was furnished by Mr. A. F. Young, of Millville, Pa., a farmer, breeder of Jersey cattle, turkeys and poultry for market. Last season he sent seventy-two turkeys to the Thanksgiving market, which netted him over \$200. This is a sample of the profitable production of market poultry. At Hagerstown we made photographs from the stock belonging to E. L. Tallman, Nyack, N. Y.; Milton B. Sisson, Almond, N. Y.; McCormick & Campbell, Belair, Md.; Chas. McClave, New London, Ohio, and others whose names we can not give. All of these illustrations will be used sooner or later to illustrate the possibilities of being successful as the result of rearing the best quality of poultry.

## Special Offer

We are able to offer to our readers Country Life in America and THE FEATHER both for \$4. This is the price

# SHOP TALK



THE rapid advance of THE FEATHER has been a great source of pleasure to the publishers, and has fully confirmed its progressive policy of issuing the best of its class to be found anywhere. The great increase in subscriptions has not been the result of a spasmodic campaign, where great cash prizes and other things are offered in profusion, but is based on its merits as a family magazine for poultry and pigeon breeders and fanciers. Such a circulation is one that counts for much in more ways than one, and besides gives a healthy tone to the publication. This basis is the one we have always endeavored to maintain, and for that reason do not hesitate in calling the attention of the best breeders and advertisers to its columns. As an evidence of the popularity of THE FEATHER, it is only necessary to state that only two hundred fifty copies out of five thousand copies were returned from the news-stand sales. This speaks for itself. We propose continuing the same work, improving when we can, until we shall have placed THE FEATHER in every home of the breeders of fine poultry and pigeons of the land. We want you, dear reader, to help us all you can to carry out our program, and should you know of some one who is not a regular reader of THE FEATHER, let us know, and we will endeavor to make him also our friend. Read carefully this entire number, and see if you do not find something to interest you sufficiently to subscribe or extend your subscription; for many of these offers are only limited and may be withdrawn. Remember you are getting a \$1 publication for 50 cents. These are the only attractions we are giving, and for that reason they should be all the more valuable to you. Come, you can help us reach the fifty-thousand mark before the season ends.

of the one publication alone. All interested in these greatest of all publications in their line should send their subscriptions to this office at once.

## For The Feather

We feel that our efforts along the line we have adopted in our publication are deserving of marked consideration at the hands of all who may come in possession of this or other numbers of THE FEATHER. We are credited with having selected a unique position as a separate class publication in the interest of poultry and feathered pets. Believing in this as we do, we feel that you should willingly lend your assistance to the advancement of such a publication. Show this and other numbers to your friends. Tell them the subscription price is but fifty cents a year. Form clubs in your locality for the purpose of gaining subscribers for us and collecting meritorious photographs and information, which, when published, must prove most valuable to fanciers in every locality.

In addition to this send us a list of names of those whom you think might be anxious to have come to their homes a monthly publication of the character of THE FEATHER. They will learn from its columns how to handle, improve and bene-

fit their flocks, whether kept for the production of exhibition stock or utility purposes. Each month we publish articles of incalculable value to both the fancier and market poultrymen. We teach you how to select, mate and handle for the production of both exhibition stock and a large increased egg yield in your flocks. We tell you how to prepare your products for market, how to prepare them for the exhibition hall and how to gain the greatest return therefrom.

## How to Serve Us

Mention to your acquaintances the fact that the advertising columns of THE FEATHER bring profitable returns to all who make use of them. We endeavor to have only the best represented in our pages. We are always anxious to welcome every fancier who values his reputation and his stock as an advertiser in our columns. Come with us and offer your stock to the general public, and you will undoubtedly receive profitable returns therefrom. Our advertising rates are presented in full below. We have adopted the method of quoting the same flat rate to each and every advertiser, so that all may be served alike who patronize THE FEATHER.

## Advertising Rates

The advertising rate in THE FEATHER is 10 cents per line, fourteen lines to the inch, \$1.40 per inch per insertion.

Discounts: Two per cent. discount for three months' payment in advance; 5 per cent. discount for six months' payment in advance; 10 per cent. discount for one year's payment in advance.

### CLASSIFIED AD RATES

For classified ad rates in THE FEATHER: Twenty-five (25) words or less, one time 50 cents; three times \$1; six times \$2; twelve times \$3.50. Additional words at the rate of 2 cents each for one insertion, or 1-3 cents each for each insertion when run three times or more. Payable in advance.

Special positions 10 per cent. additional.

No discount on class ads.

Forms close: THE FEATHER forms close the 20th of the month previous to date of publication.

THE HOWARD PUBLISHING CO.  
714 Twelfth Street N. W.  
Washington, D. C.

## What Others Say

"Enclosed find 75 cents, for which please put my subscription up one year, and send me copy of 'Salmon's Diseases of Poultry.' You are surely improving The Feather greatly."—Dr. J. C. Robert.

"I have just read The Feather and have learned more about the pigeon from it than I ever thought was written about my favorites. I enclose 50 cents for one year's subscription to same."—P. D. Nolan.

H. S. Ball, Shrewsbury, Mass., writes as follows: The Feather is making great progress toward perfection. It is clean and free from all contentions, which I think will be appreciated by all fanciers."

"The American Fancier's Poultry Book' and paper, The Feather, came O. K., and I am well pleased with same. Enclosed you will find 25 cents for which please send me your book, 'Up-to-date Poultry House.'"—John H. Letlow, Madison, Wis.

"I have got good results from my advertisement in your paper."—T. K. McDowell.

"Your ever welcome and helpful poultry journal, The Feather, failed to reach me this month. It may be the copy I want. I deem it an essential being only of a few years in the business."—O. V. Lehman.





IT IS our desire that each of our readers will give special attention to the front page, termed "Shop Talk," of THE FEATHER. In that page we endeavor to communicate directly with our readers and advertisers. Through these columns we tell what we have and what we are willing to do for our patrons, and trust that they will join enthusiastically with us in advancing the many features of interest we present that would prove of advantage to the fancier.

We are informed that Mr. George Burgett sailed for England with a string of quality to be exhibited at the great World's Fair, known as the Crystal Palace Show, in London. This has been for years the greatest show in England. Some of our American fanciers have sent and gone with their specimens. Success has come as a reward to some of these. Never before has the attempt been made to gather a string together and take it to the great English show. It has been hinted that some Brown Leghorns joined this aggregation for the Crystal Palace.

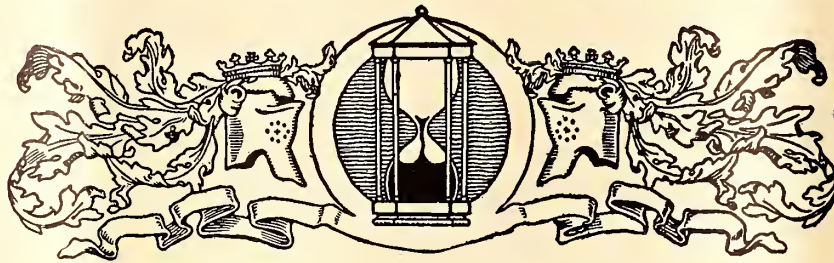
Mr. F. R. Eaton, chairman of the Norwich and Eastern Counties great open show of Norwich, England, sends us a communication requesting that we invite the fanciers of America to exhibit with them the week of the 12th of December. Mr. D. C. Peoples, of Urichsville, Ohio, will gladly answer all communications relative to this great event; also lend his aid in gathering and sending specimens to this exhibit.

Mr. Eaton writes, in part, as follows: "I am getting up this show in hope that the fanciers of the whole world will join with us to make the great Norwich show an international event. There are silver cups specially presented for foreign exhibitors to compete for; a silver medal and some cash prizes have been added to these. We wish that some of the American fanciers would start the ball rolling, and either send or bring some of their best specimens and exhibit them with us."

Many of the American varieties have become popular on the other side. Among these are the Plymouth Rocks, Wyandottes, Rhode Island Reds, and Black Sumatra Games. When Mr. Wharton visited this country several years ago, he purchased very liberally of Partridge and Silver-penciled Wyandottes. Since that time he has been a most successful winner throughout England. This should prove conclusively that the quality of our American Wyandottes is such as to meet the approval of the English judges. The English fanciers are now seeking for the best quality of Columbian Wyandottes. It might prove beneficial to the interest of this variety to send some of them to the great Norwich Show.

Mr. Fred R. Eaton, Cleveland House, Eaton, Norwich, England, is the full name and address of the manager of this occasion, and assures us that he will be more than pleased to receive and care for, and either sell or return any specimens that will be sent to the show and entrusted to his care.

Hagerstown has again passed into history. Recorded to their credit is the fact that the exhibit in the poultry department



## THE FEATHER

Volume XII

NOVEMBER, 1906

Number 2

GEO. E. HOWARD, Editor

T. F. MCGREW, Associate Editor

Single Copies, 5 cents.  
Subscription, 50 cents a Year in Advance.  
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ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

### Now for a Washington Show



IT HAS been finally decided to hold a show at Washington this season. A meeting of the breeders in this section held a rousing meeting October 30 and organized the Columbia Poultry and Pigeon Association. The officers elected were as follows: Geo. E. Howard, president; Mr. Risdon, vice-president; Edward S. Schmid, treasurer; Calvin Hicks, secretary. The board of directors elected were the four above-named officers and Messrs. S. W. Stinemetz, Lee Pitchlynn, C. L. Blanton, E. C. Duffy, and A. D. Brown. The show will be held in Masonic Temple, January 22-26, 1907. This announcement will be very gratifying to a large host of breeders and fanciers, who have always taken much interest in exhibiting at the Capital City. THE FEATHER is more than pleased to make mention of some of the details of the new association. The organization as perfected is that of a stock company with a capitalization of \$3,000, divided into three hundred shares of the par value of \$10 a share. This stock has had a quick sale, and makes an absolute guarantee of the financial results of the show. The stockholders are some of our best citizens who are interested in the culture of poultry and pigeons in this neighborhood, and those visiting and exhibiting at the show will find a very fraternal greeting in store for them. From now on things will be lively on these lines, and it is anticipated that the support will be the most liberal ever given to a Washington show. Remember the dates, January 22-26, 1907, and get ready for the show.

was larger and composed of better quality than ever before. Better management seems to prevail there each year. Senator Betts, the head of the poultry department, shows great willingness to take advantage of every proposed change that promises to prove beneficial to the handling of the poultry department of the fair.

We are able to assure the poultry fanciers of the entire country the forthcoming of many valuable features in that department which are likely to advance the standing of same. The judging was better and more quickly handled this season than before.

Communications received from Emory V. Crawford, secretary of the New York Show, states that the premium list for the Madison Square Show will be ready for

distribution early in November. Every prospective exhibitor is urged to make their entries as early as possible, as space is limited, and entries will be received this year beyond the capacity of the hall. The advertisement for the New York Show will be found in our columns.

Secretary Samuel H. Roberts, of the great Boston Show, informs us that he hopes to have the premium list for that occasion ready for distribution by the middle of November. It is the hope of the Boston management to have a more general distribution of classes, preferring to have representation of every kind and character of fowls rather than the domination of a few classes. The distribution of cash and other specials will be arranged relative to this character of exhibit. Already they have been almost

oversold in space that can be allotted to the exhibits of the supply people who always throng the hall at Boston. Address Mr. Roberts, at South Attleboro, Mass., for full particulars.

The management of the Auburn, New York, Show will strain every nerve to make the next meeting place of the American Poultry Association the most attractive of any meeting the association has ever held. Many features of interest outside of the poultry exhibit will be supplied by the Agricultural Department of the state of New York through its manager of Farmers' Institute, Mr. F. E. Dawley, who will personally conduct a poultry institute during show week.

The original photograph from which the illustration of the pigeon loft used in this number was made was sent us by Mr. Peacock, of Dallas, Tex., who makes a specialty of breeding Runt Pigeons. He promises to furnish us a complete set of illustrations of the several kinds of Runts he keeps, and with it an article telling how he has succeeded with them as breeding stock from which to produce squabs for market.

The several articles published in recent numbers of THE FEATHER, under title of "Science of Breeding," have brought more inquiries to our office than we would care to answer by mail. All of these will be answered in due course of time in the columns of THE FEATHER under this series of articles. One of these makes special request for information as to line breeding. This we hope to answer in an early issue. The article published on "Color" brought many letters from Wyandotte breeders. The requests relative to white color will be answered under two heads, the subjects of which will be "Breeds" and "Production of White."

The exhaustive article in the October issue of THE FEATHER, under the head of "Food Value of Milk," should be carefully studied by all breeders for market poultry and eggs, as this is especially adapted to their branch of poultry culture.

The new head of the Agricultural Department of the United States made a strong appeal to those present at the banquet at Hagerstown to urge their congressmen to supply sufficient funds to make possible the carrying on of poultry experiments that might be creditable to the National Government and of value to the poultry interest of the country. Without sufficient funds but little can be accomplished. Each poultry fancier should urge his congressman to see to it that there is a special appropriation made each winter for the benefit of this department. It is due to the fanciers of this country that no less than \$50,000 be set aside each year for this purpose by the National Congress. The poultry interest is second to the largest live-stock interest of this country. There is no hesitation whatever made by the national or state governments to appropriate for the dairy interests. This being the only live-stock interest ahead of the poultry, there is no reason why the demands of the poultry resources of the country should not be considered.

"I received your sample copy and think it is great. In fact, the best poultry journal I've seen, so I want to lose no time in becoming a subscriber."



## Quality in Wyandottes



**A**N ENLARGED illustration made from a photograph taken of one of the male birds in the yard of W. T. Lord, of Troy, New York, will be on the cover page of this issue of THE FEATHER.

This male bird was never placed in the exhibition hall, and consequently never has won a prize, but is yet valuable within himself. This bird was selected for the photograph from the mere fact that it was in full plumage at the time of the photographer's visit to the farm to obtain same. That our readers may fully realize that the frontispiece is not changed from the original, we present in these columns a half-tone of the



ORIGINAL FOR FRONTISPIECE

original just as it was printed from the negative without retouching.

Mr. Lord has made a success of breeding Buff Wyandottes through careful attention to the laws of breeding, having selected first of all the very best Wyandottes he could find of that variety, and going quietly to work to improve both quality and color. The result of this has given him a very high position among the breeders of this variety of fowls. It is not our intention to tell of Mr. Lord's success as an exhibitor. This is a matter of public record which all can study if so inclined. We hope to tell of one who has made a success of producing one variety of fowls, and that one among the most difficult to produce.

In the yards at Troy, we imagine, can be found the secret of his success, which we believe lies in the fact that he keeps for his own breeding purposes the best Buff Wyandotte hens that can be grown, and that he pairs them with male birds of unquestionable quality, always having in mind perfect breed characteristics, and true buff color. In the yards we noticed twelve or more cock birds, all of which were of the truest type and most desirable shade and color. These are per-

mitted to roam in good-sized yards, and to thoroughly exercise every day in the yard with some hens. The flock of breeding hens and those kept for exhibition were by themselves in a very large enclosure well-covered with grass and shaded with trees. If there is a better lot of Buff Wyandotte hens than these in the world, we are at a loss to locate them. From these and the male birds above mentioned were grown in the past season the flocks of young birds which roam about the orchards and through the hay fields where Mr. Lord grows them. Wyandotte type and buff color were prevalent in the entire lot. We are not in the habit of applying superlatives in describing quality, but we believe that Mr. Lord has both the highest quality of exhibition type and color in his flock, and he has learned the secret of producing only the best producers, and from this method has come his success.

But one cockerel in the whole flock viewed by us showed the dark or reddish color on the wing-bow. A few of the pullets were some little darker in shade than seems to be desired in the exhibition hall at the present time. A few might be termed a little lemonish in shade. The balance of the entire flock were remarkably true to color.

While there we took a snap-shot of a few flocks of old and young. Since then some of these have honored their owner by winning blue ribbons at some of the fall fairs. Many of the others have been selected and reserved to be sent for exhibition purposes to those who may send demands of this character to the owner this fall. Among these, one flock of nineteen more than half-grown, the product of a single hen, show remarkable similarity of form and color. Mr. Lord made the remark that he believed that every specimen in that lot would be fit for the keenest competition during the coming show season. Being anxious to tell the readers of THE FEATHER our opinion of the quality of the flock, we are perfectly willing to go on record with the statement that we believe that there is not a single specimen in the flocks we saw at Mr. Lord's but what would prove to be most desirable for breeding, and many of them dangerous competitors in the show-room.

We notice among the winnings of this flock of Wyandottes that they have been successful at the World's Fair, at St. Louis, and for several years at New York, Boston, and Chicago. The poultry papers of the West speak the loudest praise of Mr. Lord's exhibit at Chicago last winter. From one of these we quote as follows:

"W. T. Lord, Troy, New York, showed as fine a string of Buff Wyandottes at Chicago as has ever been seen in the West, winning as follows in decidedly strong competition: First cock; first, second, and fourth hens; first, second and third cockerels; first, second, and fourth pullets; first and second pens."

The week before he entered two cockerels at Boston, winning first and second on these; also the \$100 champion challenge cup for the best male in the class.

Early in the spring Mr. Lord issued a

challenge to all the Buff Wyandotte breeders of America to meet at Madison Square Garden the first week of January next, each to enter their own product only, and to compete for the supremacy in this variety. All fanciers look for a grand display at Madison Square Garden next winter.

## Poultry Show on Wheels



**E**ARLY in October there left the Union Station, St. Louis, to go over the Missouri Pacific & Iron Mountain Railway, a poultry show on wheels. In one of these cars there were two pair each, old and young, of the three varieties of White Plymouth Rocks, all varieties of Wyandottes, two varieties of Orpingtons, two of Leghorns, Light Brahmas, Rhode Island Reds, Silver-spangled Hamburgs, Black Langshans, and Buff Cochins. Another car containing incubators, brooders, bone mills, cramping machines, and poultry foods of all kinds accompanied the train.

This train visited fourteen towns.



LORD'S BUFFS

Over fifteen thousand people passed through the cars, and over five thousand attended the institute lectures given in connection with this exhibit. This is a great work for poultry, and should be carried on by the Agriculture Department of every state in the Union. Poultry has never had the recognition that should be given it. We congratulate the management of the Missouri Pacific Railroad system on having taken up this proposition. Every railroad in the country should consider this, because millions go into their treasuries through the transportation of poultry and poultry products all over the land.

## Friendly Relationship

Mrs. May Taylor, of Hale, Mo., writes us that her cat and a broody hen, Blackie, divided their home in the barn. Blackie and the cat raised their respective families in the same manger. When the cat was absent Blackie took care of both the chickens and kittens. When the cat would come to her young, the hen would leave the nest in charge of her.

## COCKERELS

FROM MY

STANDARD AND UTILITY STRAIN R. C. R. I. REDS, WHITE ROCKS AND WHITE LEGHORNS For Sale at reasonable prices. Eggs for hatching from same stock, in season. Satisfaction and square treatment guaranteed.

MARYLAND POULTRY FARM,

Laurel, Md.

Karl L. Heumann, Mgr

## HOGAN HENS

**Are Laying Hens Every One of Them**

If you could certainly cull out all the tolerable layers, poor layers and non-layers and keep only the good layers, wouldn't you do it?

Of course you would.

Then you are looking for

## The Walter Hogan System

It teaches you to do that and more. Pullets sure to become layers. Cocks sure to breed layers. Selection and breeding. A new system that's sound.

All Hogan hens are 200 egg hens. You can have them, absolutely sure. Yes, its startling—a revolution in poultry raising. But we have the proof. Write us for it.

THE WALTER HOGAN CO.,

12 Nat'l Bank Building,

Fergus Falls, Minn.

## LEE'S 3 LEADERS

### LEE'S EGG MAKER

Early winter layers are the hens that roll up the profits. Now's the time to feed them. Get them at once onto the egg-laying rations. Lee's Egg Maker holds them in condition to go through the winter keeping their egg-production up to the point where you get top-notch prices. It is the best egg making food on the market. Contains everything the hens need to make egg and shell. Does not contain a particle of sand, grit or cheap fillers. Every ingredient is there to help you get more eggs quickly. One-half the bulk of Lee's Egg Maker is granulated blood (deodorized)—a concentrated, protein food which combined with the other essential elements furnishes the materials the egg-producing organs require. Lee's Egg Maker has years of success and wonderful egg records back of it, as a guarantee of its true worth. Your hens need it. Price: 25c, 50c and \$2.00 according to size. Sold by dealers or sent direct.

### LEE'S GERMOZONE

Sick hens won't lay—dead chicks don't pay. They'll never grow into fat broilers, or make you money. Don't worry about disease; just use Germozone according to directions. "An ounce of prevention is worth a pound of cure." A 50c package used before your chickens get sick, is worth a whole drug store of stuff when they begin to die. Germozone twice a week in the drinking water keeps your entire flock well and productive. Just the remedy you need to cure Croup, Colds, Frosted Combs, Canker, Swelled Head, and all winter disorders.

### LEE'S LICE KILLER

No bother to use; no greasing, dusting or handling fowls. Just spray roosts, nest and every crack and corner of the henhouse—lice and mites disappear like magic. Price per can: 35c, 60c, \$1.00. Write for Lee's free, new, poultry books and a "Mandy Lee" catalog. Sold everywhere.

GEO. H. LEE CO., Omaha, Neb.



## A Pointer for You

IF YOU are so well pleased with The Feather, we are of the opinion that this will interest you. Instead of sending in your subscription for one year, why not take advantage of this offer, and send us a one dollar bill and get your favorite publication for three whole years, at the price of two years. You will be glad you did so if you are only a little bit interested in poultry or pigeons, for each number is brimful of new things not to be found anywhere else. Each number is a work of art in itself and worth the price of subscription. Just send us a dollar, and we will put your name on our list for three full years.

**THE HOWARD PUBLISHING CO.**

714 Twelfth St. N. W.

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## Pasteur Vaccine Co. RAT VIRUS

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## Valuable Information



THE following is clipped from Poultry, England, much of of which may be applied to our home management of fowls:

"SCALY LEG"

Some eminent pathologists who have given attention to this affection have found it is caused by a parasite which has been named *Sarcopes nutans*. We have found that scaly leg occurs mostly among fowls that are fed largely with heating foods, such as barley and barley meal, and are kept on a very dry run (one of ashes), which cause a deficiency of oily product, resulting in a dryness of the skin. We do not question the parasites. As a remedy, the best thing is to thoroughly cleanse the legs. Put a piece of soda into warm water, and with soap and a nail brush remove all dirt from the places, then dry them, and rub on with the hand some ointment. The three following remedies have been recommended, and either may be tried, for each has proved beneficial. The first, sent to us in 1896 by a Yorkshire correspondent, is:

"Take a pint of paraffin and a pint of water, and boil for ten minutes. Add half a pound of soft soap, and allow to gently simmer until thoroughly mixed. The mixture when cold is ready for use, and may be applied to the abnormal scales with a feather, or, better still, with the hand. If the legs are very bad they should be gone over twice a day for a few days, and then once a day until better. The mixture at once kills the insects, the scales begin to peel off, and the legs become as perfect as before they were attacked."

Our correspondent adds:

"The inexpensiveness and efficacy of this simple remedy will at once recommend it to your subscribers. It is an excellent plan to go over the legs of all the fowls in the autumn; it then acts as a preventive of this irritating disease."

Great care must be observed in mixing the paraffin and water, especially when it is boiling. Another remedy recommended as a capital thing is:

"Two ounces each of flowers of brimstone, turpentine, and white spirits of tar, and four ounces of sweet oil; mix well, and apply to the legs on two alternate days, washing the legs three days after the second dressing."

Still a third is that advised by Mr. W. M. Freeman, in our issue of September 15, 1899:

"Wash the legs in warm water containing a little borax, and use a soft toothbrush to thoroughly cleanse the excoriated surface; after this, dry, and anoint with carbolized vaseline, repeating the treatment daily."

Keep the birds on a grass run, if possible, but failing this, on some rather damp material, such as stable sweepings, but do not allow them to scratch among ashes and the like. A change of diet will be beneficial, and the addition of a few grains of Epsom salts to boiling water with which the meals are prepared, or to the drinking water, is advisable, to clear

the blood. Fresh green food in abundance should be allowed if the fowls have not the benefit of a grass run. The scales on the legs should be allowed to drop off, for if they are pulled away the skin underneath will come with them, and the place will resemble an open sore. Chickens that are allowed to be brooded by scaly-legged hens will themselves soon contract the disease.

### SOFT-SHELLED EGGS

It is possible hens laying soft eggs are somewhat fat. The best preventive of soft-shelled eggs is to supply hens and

spectable, and inexpensive paints for barns and outbuildings. It costs little more than whitewash, provided no great value is attached to the milk, and it is a question whether for all kinds of rough work it does not serve all the purposes of the ready-mixed paint, or even prime lead and paint mixed in the best linseed oil. It is made as follows, and no more should be mixed than is to be used that day:

"Stir into one gallon of milk about three pounds of Portland cement, and add sufficient Venetian-red paint powder to impart a good color. Any other colored paint powder may be used. The milk will hold the paint in suspension, but the cement, being very heavy, will sink to the bottom, so that it becomes necessary to keep the mixture well stirred with a paddle. This feature of the stirring is the only drawback to the paint, and as its efficiency depends upon administering a good coating of cement, it is not safe to leave its application to untrustworthy or



ANCONAS

pullets with plenty of shell-forming material, and not too much soft food, or grain likely to fatten the birds. We suggest that the hens be given a strong dose (as much as thirty grains each) of Epsom salts dissolved in hot water, and that they have an iron tonic on alternate days. See that they are fed solely on grain, such as barley and small (tail) wheat, and a good proportion of sound, heavy oats, less than a small handful each for breakfast, and a similar quantity for "tea," with abundance of fresh green food in the meantime, and occasionally crushed raw bones. Exercise is essential, and in small runs it can be provided by scattering the grains on some loose material (peat moss litter, straw, leaves, and the like), so that the birds will have to work to secure it.

### MILK PAINT AS A WOOD PRESERVATIVE

This recipe appeared in our issue of June 30, 1905, and was reprinted from the Scientific American:

"A use to which skim milk, sour milk, buttermilk, or even whole sweet milk is not often put is paint-making, yet this product of the dairy makes possibly one of the most enduring, preservative, re-

careless help. Six hours after being applied, this paint will be as immovable and unaffected by water as month-old oil paint. I have heard of buildings twenty years old painted in this manner in which the wood was well preserved. My own experience dates back nine years, when I painted a small barn with this mixture, and the wood to-day shows no sign whatever of decay or dry-rot. The effect of such a coating seems to be to petrify the surface of the wood. Whole milk is better than buttermilk or skim milk, as it contains more oil, and this is the constituent which sets the cement. If mixed with water instead of milk, the wash rubs and soaks off readily."

### FEATHER-EATING FOWLS

Where fowls take to eating feathers, or plucking each other, it is a sure sign that they are in a very pampered or diseased state. Improper food—that which is of too heating and stimulating a character, such as a diet of oatmeal only, potatoes, rice, too much meat, Indian corn, or maize, or the absence of green food—has a lot to do with it. And so has keeping the fowls too strictly confined, for in



such places they are generally tempted with all sorts of food, and consequently they become pampered. The very first thing to consider when a remedy is being attempted is to allow the fowls free range, where they will have to forage for a portion of their food; or, failing that, put into their covered run, to the depth of a foot, some stable refuse, chopped straw, chaff, or similar material. Among this some oats should occasionally be mixed, and upon it the birds' daily supply of grain should be scattered. Then, with the altered accommodation, commence to doctor the birds. Give them something to cool their blood; and to a certain extent change of diet will accomplish this end. As soft food let them have well-prepared biscuit meal scalded with the liquid from boiled bones or meat scraps, and give this to them sparingly, and in a cold state; for grain use a mixture of small wheat and good oats. Abundance of succulent food, such as sods of grass with plenty of mold, weeds from the garden, and, in fact, any green food pulled from the earth and given in a fresh state, will be found extremely beneficial, as will also allowing the birds to drink "nettle tea," or using the liquid to prepare the soft foods. Flowers of sulfur has been much used for feather-eating birds, and, it is stated, with success. The quantity is three teaspoonfuls with enough soft food for twenty-four fowls daily. If this scour them, reduce the quantity, or give it on alternate days. Another excellent remedy is to give liquid sulfur prepared as follows: Put three or four lumps of freshly-burned lime, the size of eggs, into an iron pot; slake the lime with boiling water, then stir into it about six ounces of flowers of sulfur, and gradually two quarts of boiling water, stirring all the time; boil gently for an hour or so, pour off the clear liquid—which will be the color of dark brandy—bottle and cork well. A teaspoonful to every six hens, put into the water used for mixing the meal, is the best way to use it. Allowed daily, it will soon put a stop to feather-eating. If there are any bare places on the body of the fowls bathe them daily with Condy's Fluid diluted, a teaspoonful in a quart of water.

## No Danger of Contamination

We have a letter from G. C. Miller, Harris Grove, Kentucky, in which he asks if there would be any danger of contamination if he would permit promiscuous flocks of Buff Plymouth Rocks and Rhode Island Reds to run together during the fall and winter.

It is always best to divide the males from the females of all kinds and character of poultry after they have reached four or five months of age. This is recommended for the benefit of the fowls.

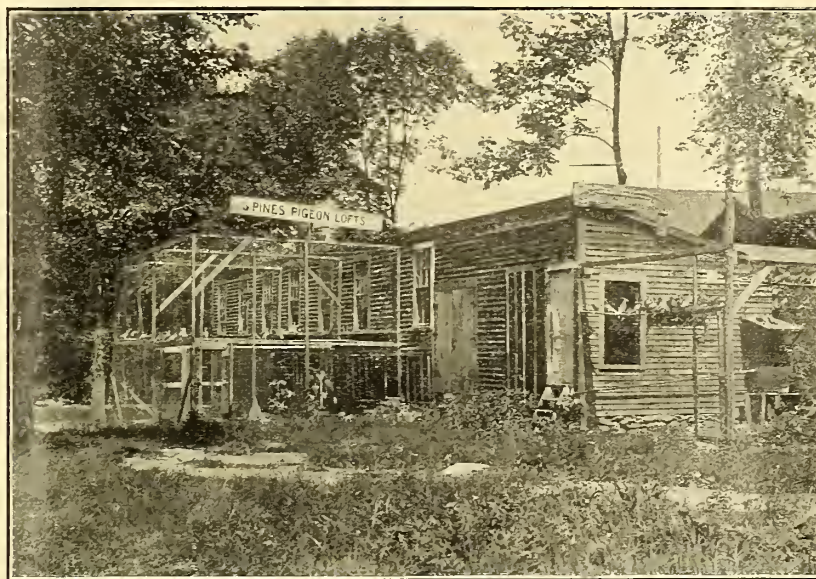
As to the contamination, there is no danger whatever of this, providing all of the males and females have been separated for two weeks prior to mating, and then properly mated and no eggs saved for hatching for at least ten days. Those who keep many varieties of poultry, permitting them to range together often during the entire fall and winter, separate them in February and March prior to mating up their pens for producing exhibition stock. No contamination of any kind will come to the flock of hens that have been properly separated for two weeks.



## A Suitable Home for Pigeons



UNDOUBTEDLY many of our readers will be preparing suitable quarters for growing squabs prior to the coming of the spring season, at which time so many embark in this business. In a recent number we illustrated from a photograph an extensive plant in Texas. That all sides may be served, we now illustrate the building of a pigeon loft that might be followed by many, and prove to be inexpensive in its production. The illustration presented is made from a photograph of Three Pines Pigeon Loft, Wilton, New Hampshire. For the information of our readers we print the description of same sent us by Mr. Proctor:



ness than in any other. The pigeon house is situated in the center of the town, and within three rods of the railroad station. The greatest trouble I find to contend with is the small boy with the air rifle. This summer I added water to this plant at an expense of \$7.35, when the plumber told me it would cost over \$30. I purchased some second-hand iron pipe at a large discount, and did most of the work myself. This building is seventy-five feet long, and is divided into three pens with large flying pens outside. A good-sized river runs within two rods.

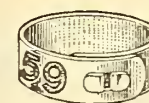
"I take great pleasure in reading THE FEATHER, as I consider it the bon-ton of all the poultry papers in the United States."

From this can at once be recognized the possibility of having most inexpensive

"Seeing your request for photos of poultry and pigeon plants, I take pleasure in sending you a likeness of the Three Pines Pigeon Lofts, situated in Wilton, New Hampshire. This is no advertising scheme, as I have no stock to sell. I started keeping them when knee-high to a grasshopper, and have kept them ever since. At the present time I have forty pair of as fine Homers as you can find anywhere; also fifty pair of Runt-Homer crosses, which are doing finely. Is there any one in the squab business that never bought a "gold brick?" He must be a wonder. I purchased last year from a firm in Boston one pair (for trial)—a large pair—of Runt-Homer crosses. I had just as soon have crows; they were no good. I have about lost faith in the pigeon business, as I think there is more fraud in this busi-

accommodations for our pigeons that will prove quite as successful in results as would a much more expensive building. The main desideratum in the building of pigeon or poultry houses is to have a dry interior, dry floors, sufficient exposure to the sunlight to thoroughly dry the building without and within, and at the same time some shade for protection from the direct rays of the sun. If these conditions are observed, and the interior of the building is kept reasonably clean and properly ventilated, pigeons should always do well, and prove to be a most profitable investment for those who keep them. On the other hand, careless methods, damp buildings, improper ventilation and careless feeding is sure to prove most unsatisfactory to those who venture into squab growing without proper preparation.

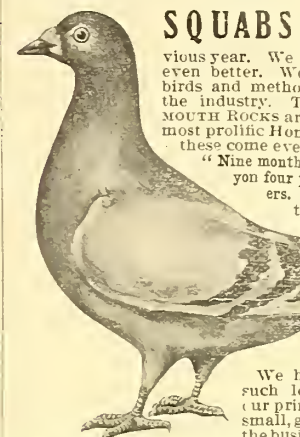
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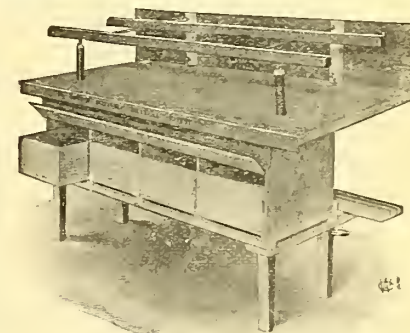
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## The Hagerstown Show

**D**URING the week of October 8 the most attractive and most successful fair that has ever been gathered there in fifty-two years was held at Hagerstown. Every department of the fair was attractively filled. All kinds of live stock in larger numbers than ever before shown came to Hagerstown this year. The display was even better than that gathered at the Golden Jubilee of this association.

In the poultry department there were four thousand two hundred entries, including poultry, pigeons, water-fowl, pet stock and displays. Each entry represented either a single bird, a pair, as was shown in some classes, a pen or a display cage. The calculation made leads us to believe that there were nearly six thousand living specimens of all kinds gathered at the fair.

Of water-fowls alone there were 394 entries, embracing 464 specimens. This was undoubtedly the largest and best collection of water-fowls ever gathered together in this country, excepting the Pan-American exhibit at Buffalo and the St. Louis World's Fair display. In addition to this, there were more kinds of turkeys shown than we have seen at any one single gathering other than the display in Chicago of many winters ago. The Bronze, Narragansett, Black, White,

Buff, and Slate turkeys were all well represented.

Every department from the Asiatics down to the bantams was well filled with superior quality. In the Asiatic classes, Mr. Nettleton carried away the Cost cup with a remarkably fine display of Light Bramas. Rock Hill Poultry Farm, of Ossington, New York, won many blue ribbons in the American classes.

The exhibit was judged by Messrs. Brown, McClave, Nichols, Crangle, Stanton, Drevensedt, Minnich, Denny and Ewald; two for pigeons and seven for poultry. The work was better done than in former years. Unfortunately, however, it must be recorded that some specimens were missed and not passed upon. Perhaps the very best Buff Wyandotte in the whole display—a hen—was evidently never seen by the judge. Young stock were cooped in another part of the exhibit and away from the regular Wyandotte display.

On the whole, the judging was very satisfactory, both as to results and time of passing upon same. Last year the judging was not all finished at ten o'clock Friday. This year it was all completed except the special prizes prior to ten o'clock Thursday morning. The new method was made use of in recording the awards on the pens, adding much to the pleasure and satisfaction of viewing the display. If the foolish sentiment might be removed, and the name of the

owner of each exhibit written upon the entry card, the management of the show would be considered more complete. Washington was unusually well represented in Brown Leghorn alley, Chrisca-den winning largely on the male birds, the Pitchlyns almost everything on their females.

The great attraction at Hagerstown, the one feature that has made Hagerstown famous, is the poultry parade, which occurs Wednesday evening each year, and the banquet for poultrymen which follows. Senator Abner Betts, perhaps the most popular man in Washington County, and the managing director of the poultry department, surpassed himself on this occasion. The collation that was spread excelled any one for many years. Senator Betts, in a most attractive manner, presented Mr. J. A. Mason, who welcomed the poultrymen to Hagerstown. Following this, Mr. George E. Howard arose and asked in well-selected words the attention of all present to matters of vital importance. Following this he introduced Mr. McGrew as toastmaster.

Never before has the spirit of good fellowship and enjoyment so thoroughly invaded the banquet hall as on this occasion. The speakers selected all turned their attention to mirthful things and pleasant-ries. Mr. Sherry, of Long Island, started the ball rolling, which continued on its course until past the midnight hour, which compelled the separation.

Besides those mentioned, remarks were made by Messrs. Ewald, of Cincinnati; Dodd, of Martinsburg; George O. Brown, Chas. T. Cornman, Miller Purvis, Charles McClave, and Arthur Shilling. Mr. Slocum, the representative of the Agricultural Department of the United States, told of the work he had in hand, and requested that each poultryman would call the attention of his congressman to the needs of the work, thus spreading the influence



SENATOR BETTS, GEO. E. HOWARD, AND  
GEO. EWALD

that would bring to the department sufficient financial aid to carry on the work with best results.

There were over one hundred ninety exhibitors; ten carloads of the exhibits belonged to five large exhibitors, all of whom had gathered at Hagerstown. Prior to the innovation of the state work they would attend numerous state and county fairs, up to and including the end of November. The quality of stock shown by these large exhibitors was surprisingly good, they being able to win many of the coveted ribbons from the most expert specialty breeders.

Many changes are anticipated for the future at Hagerstown, changes that will add attractiveness to the display and improve the work of some so far as it relates to the exhibitors. The management is determined that the exhibitors shall have better accommodations, the best attention to their stock while there, and, if there can be any improvement whatever in the placing of awards, recording and making public same, they are determined to have it so.

The flight of Homers took place Thursday afternoon at two o'clock. The basket was carried to the rear of the poultry building and the birds released while the sun was shining very bright. The wind blew so strong as to retard the progress of the birds every time they swerved off toward home. There should be ten thousand flown from the Hagerstown Fair instead of a hundred or two, as was the case this time. The drill of the 13th regiment of cavalry from Fort Myer each day, the attempt at flight of the air-ship, the daily flight of a parachute and man, the Japanese acrobats, the midway attractions, and the horse show and races furnished amusement for the happy thousands that came to enjoy a day at the fair. The gate recorded forty-four thousand for Thursday—the total receipts at the gate some \$800 more than ever before received. Under the present management, the Hagerstown Fair is bound to become larger, greater and more attractive.

We have the following notes from Mr. George O. Brown, commenting upon the toasts answered to at the banquet:

Mr. Thomas F. McGrew served as toastmaster, a position which "Tommy" fills with grace, and where he always commands the attention of the festive banqueters. He introduced Mr. J. August Mason, one of the board of managers of the Hagerstown Fair Association. Mr. Mason delivered the "Welcome" to the fanciers. He showed how welcome the

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"THE COWPUNCHERS"

in the many effective similes he drew, every man present will always remember. He showed that fanciers knew not the vast amount of good their calling engendered. His word pictures of the turkey Thanksgiving dinner, of the homes that are made happy through the many branches of the poultry business was received with thundering applause. He fairly made the visiting poultrymen feel they were emissaries for doing good. He was warmly congratulated for his oration. A colored waiter who had once been in the employment of Colonel Dodd, rushed up to him after his speech, and with the enthusiasm of a camp-meeting convert, shook hands, declaring he "know'd de Kunnel had it in him, goodness mus' come out."

## The Mediterranean Class at Hagerstown

The Mediterranean class as a whole was very large and many good specimens were shown. While the Single-combed Browns lacked in point of number as compared to last year, they made it good in quality. Miss Sophia C. Pitchlynn, of Washington, D. C., showed some truly great birds in females, and we do not hesitate to say that they will hold their own wherever shown. In cockerels, Bert C. Chrisca-den, also of Washington, D. C., showed three great birds, winning first second and third places, a record to be proud of in such warm company.

Single-combed Buff Leghorns were out in force; which we were glad to see. The winners were tip-top birds, being solid buff from head to tail. Rose-combed Buffs were also a good lot.

Single-combed and Rose-combed Whites were the largest class of the family, and there were enough high-class specimens left after the awards were placed to make competition warm for another good class.

Black Leghorns were a fair lot, but the Black Minorcas and Blue Andalusians were not so strong as we like to see them. —Calvin Hicks.

## Awards at Hagerstown

### AMERICAN

**Plymouth Rocks.**—BARRED: Ck 1, hens 1, 2, Eugene Sites; ck 2, hen 4, ck 4, pul 4, E. L. Tallman; hen 3, pul 5, Hartman Sons; hen 5, J. M. Donohoe; cks 1, 3, pul 3, Kistler Bros.; cks 2, 5, pul 1, 2, hens 1, 2, H. L. Flke; hen 3, Daniel Dayhoff. **BUFF:** Cks 1, 4, hens 2, 3, cks 2, 3, pul 1, 2, pens 1, 2, Geo. Fox; ck 2, Chas. McClave; ck 3, hen 5, pen 4, Daniel Dayhoff, ck 5, W. B. Sherry; hen 1, ck 4, pul 4, pen 5, C. A. Matsinger; hen 4, ck 1, pul 3, 5, pen 3, B. H. Kuepper. **WHITE:** Ck 1, hens 1, 2, cks 2, 4, pul 1, 3, pens 1, 2, Rock Hill Poultry Farm; cks 2, 4, hen 3, C. C. Burrough; ck 3, H. G. Bardo; ck 5, hens 4, 5, ck 3, W. H. Overhaugh; ck 1, pul 2, pen 3, Fairfield Poultry Farm; ck 1, pul 4, J. D. Koons; pul 5, Ralph Ulrich; pen 4, E. L. Tallman. **PARTRIDGE:** Ck 1, hen 1, E. L. Tallman. **COLUMBIAN:** Ck 1, pul 4, C. E. Frederic; cks 2, 3, pul 1, 2, 3, F. G. Bean. **SILVER-PENCILED:** Cks 1, 2, hens 1, 2, ck 1, pul 1, pens 1, 2, Rock Hill Poultry Farm. **American Dominique:**—Ck 1, hen 3, B. H. Sheldon; ck 2, hen 2, Chas. McClave; ck 3, hen 1, ck 3, pul 4, pen 2, F. G. Bean; ck 4, ck 1, pul 3, W. A. Smith; ck 2, pul 1, 2, Geo. Burn; pens 1, 3, W. A. Shafter. **Wyandottes.**—Silver-laced: Ck 1, hen 3, pul 4, W. B. Sherry; cks 2, 5, hens 1, 2, ck 2, pul 3, Chas. S. Shirk; ck 3, hen 5, Eugene Sites; ck 4, hen 4, Chas. McClave; ck 1, J. C. Kriner; ck 4, pul 5, Jno. S. Cole; ck 5, F. S. Sellers; pul 1, 2, W. D. Kisel; pen 1, E. L. Tallman. **GOLDEN-LACED:** Cks 1, 3, hens 1, 2, ck 1, pul 1, 2, Chas. McClave; ck 2, hen 3, ck 3, F. G. Bean; ck 4, hen 5, ck 4, W. B. Sherry; hen 4, Jno. S. Cole; ck 2, pul 3, W. G. Minnich. **SILVER-PENCILED:** Ck 1, hen 1, E. L. Tallman; ck 2, F. G. Bean; ck 3, pul 1, Chas. McClave; cks 1, 2, pul 2, 3, Edwin Oyster; pul 4, J. H. Mehrling. **PARTRIDGE:** Cks 1, 2, hens 1, 3, cks 1, 5, pul 1, pen 1, Eugene Sites; ck 3, ck 1, 3, Chas. McClave; ck 4, hen 4, 5, pul 3, 4, A. P. Groves; ck 5, ck 4, pul 5, T. E. Orr; hen 2, ck 2, pul 2, pen 2, Rock Hill Poultry Farm. **WHITE:** Cks 1, 2, hens 2, 3, cks 1, 2, 3, 4, pul 1, 2, 3, pens 1, 3, 4, Rock Hill Poultry Farm; cks 3, 4, hen 1, pul 5, O. E. Remsen; ck 5, W. A. Smith; hens 4, 5, pul 4, pen 5, J. B. Riggs; ck 5, Gem Poultry Farm; pen 2, Chas. K. Darone. **BLACK:** Ck 1, hens 1, 2, pul 2, pen 1, F. C. Sites; ck 2, pul 3, J. C. Kriner; ck 3, hen 5, ck 1, W. A. Smith; ck 4, hen 5, Geo. Burn; ck 5, hen 3, ck 2, pul 1, T. E. Orr; hen 4, ck 3, W. B. Sherry; ck 4, pul 4, F. G. Bean. **COLUMBIAN:** Ck 1, hens 1, 2, cks 4, 5, pul 1, 3, pen 2, Eugene Sites; ck 2, hen 3, F. G. Bean; ck 3, O. E. Brey; ck 4, L. C. Surveick; ck 1, pul 2, Engle Bros.; ck 2, W. A. Smith; ck 1,

3, A. N. Close; pul 4, 5, F. S. Sellers; pen 1, Rock Hill Poultry Farm. **BUFF:** Ck 1, hen 4, W. B. Sherry; ck 3, hen 1, ck 1, pul 1, 2, Geo. M. Bell; ck 4, ck 3, T. E. Orr; ck 5, C. E. Trone; hen 2, ck 2, pen 1, Calvin Hicks; hen 5, Chas. McClave; ck 3, C. F. Fox; ck 4, pul 3, Wm. Edgar & Son; ck 5, J. D. Koons; pul 4, 5, Stuart A. Howland. **Javas.**—**BLACK:** Ck 1, hen 1, ck 2, pul 3, W. B. Sherry; ck 2, hen 4, ck 3, pul 5, W. A. Smith; ck 3, hen 2, ck 4, pul 4, hen 1, F. G. Bean; ck 4, hen 5, A. J. Braun; hen 3, pul 2, Geo. Burn; pul 1, Chas. McClave. **WHITE:** Ck 1, hens 1, 2, 3, cks 1, 2, pul 1, 2, F. G. Bean; ck 3, pul 3, W. A. Smith. **MOTTLED:** Cks 1, 4, hens 4, 5, Geo. Burn; ck 2, hens 1, 3, ck 1, pul 1, A. J. Braun; ck 3, hen 2, ck 3, pul 4, W. A. Smith; ck 5, ck 2, pul 2, pen 1, F. G. Bean; pul 3, W. B. Sherry. **Rhode Island Reds.**—**ROSE-COMBED:** Ck 1, cks 2, 3, 4, pul 3, 5, W. A. Shook; cks 2, 4, Ed Eckels; cks 3, 5, hens 1, 3, pul 2, 4, pens 1, 2, Md. Poultry & Egg Farm; hen 2, Elkton Poultry Farm; ck 1, J. C. Kriner; ck 5, pul 1, Hugo Freese. **SINGLE-COMBED:** Ck 1, J. C. Kriner, ck 2, pen 2, Willanna Farm; cks 3, 4, hen 2, 3, cks 1, 3, pul 1, 2, 3, pens 1, 3, Robert Seaman; ck 5, hen 1, A. J. Spahr; ck 2, Capt. Wm. Grupp; ck 4, pul 4, W. E. Atkinson; ck 5, pul 5, Elkton Poultry Farm.

### ENGLISH

**Orpingtons.**—**BUFF:** Ck 1, hen 1, T. E. Orr; ck 2, hen 2, ck 4, pul 1, 4, Chas. McClave; ck 3, ck 2, pul 3, 5, Geo. D. Nothsteln; ck 1, pul 2, H. M. Keeney; ck 3, T. H. Weaver; pen 1, Thos. Hall. **BLACK:** Pul 1, W. B. Sherry. **WHITE:** Ck 1, pul 1, N. G. Temple; ck 2, pul 2, W. B. Sherry; ck 3, pul 3, M. B. Sisson. **Dorkings.**—**WHITE:** Cks 1, 2, 3, hens 1, 2, Geo. Burn; ck 4, hen 3, ck 2, pul 2, W. A. Smith; hen 4, W. B. Sherry; cks 1, 3, pul 1, 3, F. S. Bean. **SILVER-GRAY:** Ck 1, hens 1, 3, cks 3, 4, pul 1, 3, Geo. Burn; hen 2, ck 5, pul 2, Wm. G. Minnich; ck 1, W. B. Sherry; ck 2, pul 4, W. A. Smith. **COLORED:** Ck 1, hen 2, J. H. Mehrling; cks 2, 3, 4, hens 1, 3, ck 2, pul 3, Geo. Burn; ck 1, pul 1, W. A. Smith; cks 3, 4, W. A. Smith; pul 2, Wm. G. Minnich.

### ASIATIC

**Brahmas.**—**LIGHT:** cks 1, 3, 4, hens 1, 4, 5, cks 1, 3, 5, pul 1, 2, 3, C. P. Nettleton; ck 2, hen 2, 3, cks 2, 4, pul 4, 5, E. L. Tallman; ck 5, W. B. Sherry. **DARK:** Ck 1, ck 2, pul 1, E. L. Tallman; cks 2, 4, hen 3, Wm. G. Minnich; ck 3, hen 2, pul 2, Geo. Burn; hen 1, ck 1, F. G. Bean. **Cochins.**—**BUFF:** Ck 1, hens 1, 2, 4, cks 1, 2, 3, pul 1, 2, 3, 4, pen 1, A. W. Rudy & Son; ck 2, A. J. Braun; ck 3, Geo. Burn; ck 4, W. A. Smith; ck 5, M. C. Baukert; hen 3, 5, ck 5, pul 5, Lewis P. Graham; ck 4, V. A. Bauer; pen 2, J. C. Kriner. **WHITE:** Ck 1, hen 2, W. B. Sherry; ck 2, hen 1, H. A. Shetler; ck 3, hen 3, ck 1, pul 1, Geo. Burn; hen 4, J. C. Kriner. **PARTRIDGE:** Cks 1, 2, hens 1, 3, ck 1, pul 1, 5, pen 1, J. C. Kriner; ck 3, hen 5, Lewis P. Graham; ck 4, hen 4, W. B. Sherry; ck 5, Wm. J. Young; hen 2, pul 2, N. G. Temple; pul 3, F. G. Bean; pul 4, Harry Young;

fanciers were and how delighted the association was to show them any possible attention. He recognized what a very important factor the poultry department had been in building up the Hagerstown fair, etc. Mr. George E. Howard followed. He said he was constantly learning—never too old to learn—and then related how a fancier had told him that day how to recognize the sex of pigeons. Mr. Howard launched into several topics of interest, and kept his hearers in a roar at his remarks. Mr. McGrew then paid a tribute to the sentiment expressed by Mr. Mason. He also declared the pigeon men deserved more recognition than they had heretofore had, and he called on Mr. George Ewald, of Cincinnati, to make some remarks. Mr. Ewald was equal to the occasion and "Big George" thoroughly proved he was a true "pigeon man." He was delighted with the Hagerstown Show, which was a genuine surprise and revelation to him in its magnitude and quality in everything. Mr. W. B. Sherry was then called to make some remarks on water-fowls. He did not confine himself to his subject very closely. He kept his hearers in a laughing humor while he good naturally scored several he seemed to have on his list to "get even with." Mr. McCarty, of Baltimore, proved to be a warm pigeon advocate. He showed how important an industry squab raising had grown to be. He told of the great and varied interest in pigeons that existed in that city. He paid a glowing tribute to the late Henry Tierhann. Mr. R. R. Slocum, a government expert, told how the United States government was soon to establish an experimental plant for poultry raising near Baltimore, of which he was to have charge. He went into details somewhat regarding methods and lines on which he expected to conduct the experiment. Mr. Miller Purvis declared he did not expect to come this year, but found that he had contracted the "Hagerstown habit" and simply couldn't stay away. He showed that there was no reasons why fancy and commercial sides of poultry raising should not be side partners. "Cranks," he declared, simply meant a man had reached a stage in poultry culture that showed his knowledge was causing his success.

Col. J. W. Dodd was again the silver-tongued orator of the occasion. His word painting held his hearers spell-bound. His subject was "Closer Fellowship." It was a veritable sermon filled with food for thought, and his sentiments of peace on earth, good-will to mankind,



## INCUBATORS OF MERIT

The Gold Medals At the World's Foremost Expositions  
PAN-AMERICAN, Buffalo, 1901; WORLD'S FAIR, St. Louis, 1904;  
LEWIS & CLARK, Portland, 1905

WAS WON BY

# Cyphers Incubators & Brooders

THIS ILLUSTRATES THREE TRUTHS.

**FIRST**—Cyphers Non-Moisture, Self-Ventilating and Self-Regulating Principle of Construction has been in successful use so many years that it is acknowledged to be **The Only Principle That Makes Results Certain.**  
**SECOND**—It has for years possessed above all others the **Quality of Durability; a Principle of Heat Application and Conservation of Moisture** that

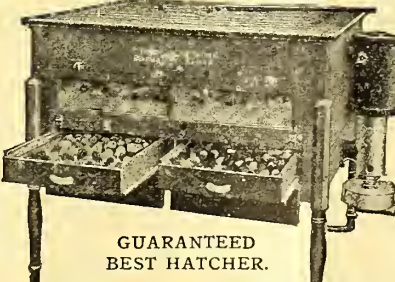
Contributes to the Hatching of Vigorous Chicks that Live; and a **Simplicity of Operation** so important to Beginners as well as to Operators on Large Plants.  
**THIRD**—Continuous Endeavor, year in and year out, in our Inventive and Experiment Department has given to Cyphers Incubators **Patented Labor-saving and Money-saving Improvements** possessed by no other machine.

### 8,281 Strong, Healthy Chicks.

Vineyard Haven, Mass., March 19, 1906.  
Cyphers Incubator Co., Buffalo, N. Y.  
Our hatches with your 1906-pattern Standard Cyphers Incubators have been simply wonderful for January and February. We have hatched 8,281 strong, healthy chicks from 12,562 untested eggs. MAURICE F. DELANO, Mgr. Owen Farms.

### Worth a Load of Wheat.

Minneapolis, Minn., Feb. 27, 1906.  
Cyphers Incubator Co., Buffalo, N. Y.  
My 1906-pattern No. 3 hatched again on the 19th inst. I was compelled to remove the nursery drawers to make room for more chicks and have today taken out, all told, 661 chickens, and not a weak chick or cripple in the lot. A neighbor looked at this "mob" of chicks and asked, "When are you going to empty that machine?" I told him, and he replied, "I will bring you a load of wheat Saturday and take it home with me." A. C. JONES.



GUARANTEED  
BEST HATCHER.

### Mr. Mitchell's First Hatch.

Bristol, Conn., March 14, 1906.  
Cyphers Incubator Co., Buffalo, N. Y.  
The two No. 1, 1906-pattern Cyphers Incubators ordered by us a little time ago came safely to hand. On Monday, Feb. 23, we started one of the new machines and at the second test there were 59 eggs left in the machine. On Monday, the hatch was due and we took from the machine 59 fine, strong, healthy and vigorous chicks. A 100 per cent hatch at this season is very unusual. GEO. W. MITCHELL.

### His Second Hatch.

Bristol, Conn., March 21, 1906.  
Cyphers Incubator Co., Buffalo, N. Y.  
The second of the two No. 1 Cyphers Incubator Company's 1906-pattern machines purchased a little time since was due on Monday last. At the first test there were 72 eggs left in the machine. These stood the second test as well, and on Monday the machine brought off 72 beautiful chicks. Two 100 per cent hatches. GEO. W. MITCHELL.

WRITE FOR FREE ILLUSTRATED CATALOG of 244 pages, entitled "Incubators." We pay the postage. It contains six most valuable chapters on poultry, poultry houses and leading exhibitors, and complete Line Supplies. If in return you will send us the names of two acquaintances who keep poultry we will consider it a favor.

ADDRESS NEAREST OFFICE.

## CYPHERS INCUBATOR COMPANY

FACTORY AND HOME OFFICES, BUFFALO, N. Y.  
Branch Stores and Warehouses: 23 Barclay St., New York, N. Y.; 26-30 Union St., Boston, Mass.; 310 Fifth Ave., Chicago, Ill.; 2255 Broadway, Kansas City, Mo.; 3rd and Linden Sts., Oakland, Cal.; 119 Finnsbury Pavement, London, E. C., Eng.





BLACK: Ck 1, hen 1, ekl 1, pul 1, Geo. Burn; ck 2, W. B. Sherry; ck 3, A. J. Braun; hen 2, J. C. Kriner. Langshans.—BLACK: cks 1, 3, heus 2, 4, ekl 3, pul 2, pen 3, Norman Rice; ck 2, ekl 4, pul 3, pens 4, 5, J. Francisus; ck 4, hen 1, ekl 2, W. B. Sherry; ck 5, ekl 1, pul 1, F. G. Bean; hen 3, ekl 5, pul 4, pens 1, 2, McCormick & Campbell; pul 5, W. G. Minnich. WHITE: Ck 1, hens 4, 5, cks 1, 2, pul 1, 2, pen 1, F. G. Bean; ck 2, ekl 4, pul 4, W. A. Smith; ck 3, hen 2, W. B. Sherry; heus 1, 3, ekl 3, pul 3, W. G. Minnich.

MEDITERRANEAN

Leghorns.—BROWN: Ck 1, ekl 5, Wm. Bow-ers; ck 2, ekl 4, Revere Poultry Yards; ck 3, pul 3, S. J. Harlackner; cks 4, 5, J. W. Wolfinger; heus 1, 2, 3, pul 1, 2, 5, Sophia Pitchlynn; hen 4, pen 1, Lee Pitchlynn; hen 5, H. M. Moyer; cks 1, 2, 3, Burt Christaden. WHITE: Cks 1, 2, hen 1, cks 1, 5, pul 2, 3, pen 1, Rock Hill Poultry Farm; cks 3, 5, ekl 3, pen 4, J. W. Wolfinger; ck 4, hens 2, 4, W. B. Dayhoff; hen 3, pul 1, pen 3, J. A. Burkhardt; hen 5, Consolidated Leghorn Poultry Farm; ck 1, pul 4, Geo. Burn; ck 4, G. F. Ruehart; pul 5, F. G. Zimmerman; pen 5, E. L. Tallman. ROSE-COMBED BROWN: Ck 1, ekl 2, W. G. Minnich; ck 2, hen 2, F. I. Bennett Poultry Yards; ck 3, hen 1, ekl 4, pen 2, W. A. Smith; ck 4, ekl 3, Chas. McClave; ck 5, pul 1, pen 1, E. L. Tallman; pul 2, pul 2, Albert Yoder; ck 5, pul 4, C. F. Fox; pul 3, F. G. Bean; pul 5, E. P. Keyser. ROSE-COMBED WHITE: Ck 1, hen 2, ekl 5, pul 2, Chas. McClave; ck 2, hen 1, Geo. Burn; ck 3, hen 4, ekl 2, pul 5, W. B. Sherry; ck 4, cks 3, 4, pul 3, 4, pen 2, W. A. Smith; ck 5, hen 3, E. L. Tallman; hen 5, R. S. Dittman; ekl 1, pul 1, F. G. Bean. BUFF: Ck 1, hen 4, ekl 3, pul 1, Willanua Farm; ck 2, Calvin Hicks; ck 3, hen 1, ekl 1, pul 2, B. C. Shilling; ck 4, hen 2, pen 1, L. S. Dayhoff; ck 5, hen 3, ekl 2, pul 3, D. B. Trout; cks 4, 5, pul 5, 4, 5, pens 4, 2, Geo. W. Kinzer; pen 3, F. I. Bennett Poultry Farm; pen 5, B. U. Crist. ROSE-COMBED BUFF: Cks 1, 2, hens 1, 2, ekl 1, pul 1, pen 1, F. I. Bennett Poultry Farm; ck 3, hen 3, 4, F. G. Bean. BLACK: Cks 1, 2, hens 2, 4, cks 1, 4, pul 4, 5, Adam F. Noll; ck 3, hen 1, Geo. Burn; ck 4, ekl 5, pul 3, F. G. Bean; ck 5, hen 3, N. B. Warner; ekl 3, pen 1, F. I. Bennett Poultry Farm; pul 1, A. J. Braun; pul 2, W. A. Smith. DOMINIQUE: Ck 2, hen 2, ekl 1, J. H. Mehrling; hen 1, 3, F. G. Bean. SILVER DUCKWING LEGHORNS: Ck 1, hen 4, pul 1, Wm. G. Minnich; ck 2, hen 3, ekl 3, pul 4, W. B. Sherry; ck 3, hen 2, ekl 4, pul 3, W. A. Smith; ck 4, hen 5, F. I. Bennett Poultry Farm; ck 5, ekl 1, pul 2, A. J. Braun; hen 1, ekl 2, pen 1, F. G. Bean. RED PYLE: Ck 1, hen 1, cks 1, 2, pul 1, 2, pen 1, F. I. Bennett Poultry Farm. Minorcas.—BLACK: Ck 1, pul 4, F. Middlekauff; ck 2, hens 1, 3, 4, I. B. Romig; ck 3, pen 3, J. E. Weaver; cks 4, 5, heus 5, cks 3, 4, pul 1, 3, pen 4, E. L. Tallman; hen 2, ekl 2, O. E. Remsen; ekl 1, Engle Bros.; ekl 5, W. A. Smith; pul 2, pens 1, 2, Gideon O. Harne; pul 5, Wm. Butts. ROSE-COMBED BLACK: Ck 1, ekl 3, pul 3, pen 2, W. A. Shafer; ck 2, hen 2, Geo. Burn; ck 3, E. L. Tallman; ck 4, hen 1, Kent Barney; ekl 1, pul 1, M. B. Sisson; ekl 2, pul 2, pen 1, W. A. Smith; pul 4, C. F. Fix. WHITE: Cks 1, 2, hens 1, 2, ekl 5, pul 2, 3, Henninger & Shinnbrook; ck 3, ekl 4, pul 4, W. B. Sherry; ck 4, R. S. Dittman; ck 5, hen 5, Gideon O. Harne; hen 3, ekl 2, pul 5, E. P. Eyler; hen 4, cks 1, 3, pul 1, pen 1, W. A. Smith. ROSE-COMBED WHITE: Ck 1, hen 3, ekl 1, W. B. Sherry; ck 2, F. G. Bean; hen 1, 2, H. C. Keen. Blue Andalusians.—Ck 1, hen 2, A. J. Braun; ck 2, hen 1, ekl 2, pul 4, W. B. Sherry; ck 3, hen 3, ekl 1, pul 1, Chas. McClave; ck 4, Wm. G. Minnich; ekl 3, pul 2, 3, J. C. Kriner; ekl 4, pul 1, W. A. Shafer. White-faced Black Spanish.—Ck 1, hen 2, J. C. Kriner; ck 2, hens 3, 5, Geo. Burn; ck 3, hen 4, ekl 1, pul 1, 2, W. B. Sherry; hen 1, W. G. Minnich; cks 2, 3, pul 3, W. A. Smith. Anconas.—Cks 1, 4, hen 2, cks 2, 3, pul 2, 4, pen 2, W. A. Smith; ck 2, hen 1, pul 3, F. G. Bean; ck 3, hen 4, pen 1, E. L. Tallman; hens 3, 5, Frank W. Morris; ekl 2, pul 1, W. B. Sherry.

POLISH

WHITE-CRESTED BLACK: Cks 1, 2, hens 2, 3, cks 1, 2, pul 2, 4, pen 1, Wm. G. Minnich; hen 1, ekl 4, pul 1, 5, Wm. Edgar & Son; hen 4, ekl 3, pul 3, M. C. Baukert. BUFF-LACED: Cks 1, 4, hen 3, Wm. G. Minnich; ck 2, hen 2, ekl 1, pul 1, Geo. Burn; ck 3, hen 5, W. A. Smith; ck 5, hen 1, W. B. Sherry; hen 4, Wm. Edgar & Son. GOLDEN: Cks 1, 4, hen 3, ekl 2, pul 2, Wm. G. Minnich; ck 2, hen 1, ekl 1, pul 1, Geo. Burn; ck 3, hen 2, ekl 3, pul 3, W. B. Sherry; hen 4, A. J. Braun. BEARDED GOLDEN: Ck 1, hens 2, 4, pul 2, Wm. G. Minnich; cks 2, 3, hen 5, ekl 1, pul 4, Geo. Burn; ck 4, hen 3, pul 1, H. A. Shetler; hen 1, A. J. Braun; pul 3, W. B. Sherry. SILVER: Ck 1, hen 1, A. J. Braun; cks 2, 5, hen 4, pul 2, 4, Wm. G. Minnich; ck 3, hen 2, Geo. Burn; ck 4, hen 3, cks 1, 2, 3, pul 1, 3, W. B. Sherry. BEARDED SILVER: Ck 1, hens 1, 3, cks 1, 2, pul 2, pen 1, Wm. Minnich; ck 2, hen 2, A. J. Braun; ck 3, hen 4, Geo. Burn; ck 4, ekl 3, pul 1, 3, W. B. Sherry. WHITE: Ck 1, hen 3, ekl 2, pul 1, Geo. Burn; ck 2, hens 2, 4, Wm. G. Minnich; ck 3, hen 1, ekl 1, pul 2, W. B. Sherry; cks 1, 3, hen 1, Geo. Burn; ck 2, Wm. G. Minnich; ck 4, W. B. Sherry.

DUTCH

Hamburgs.—GOLDEN SPANGLED: Ck 1, hen 2, W. B. Sherry; ck 2, hen 3, A. J. Braun; ck 3, H. A. Shetler; ck 4, hen 4, Wm. G. Minnich; hen 1, pul 1, Geo. Burn. GOLDEN-PENCILED:

Ck 1, W. B. Sherry; ck 2, hen 1, Wm. G. Minnich; ck 3, hen 3, ekl 1, Geo. Burn; hen 2, A. J. Braun; hen 4, J. H. Mehrling. WHITE: Ck 1, hen 3, ekl 1, pul 3, F. G. Bean; cks 2, 5, hen 1, 5, pul 2, W. B. Sherry; ck 3, hen 4, W. A. Smith; ck 4, hen 2, J. H. Mehrling; pul 1, Geo. Burn. BLACK: Cks 1, 4, hen 3, ekl 1, pul 1, pen 1, Wm. G. Minnich; ck 2, hen 1, Geo. Burn; ck 3, pul 2, W. B. Sherry; ck 5, hen 2, W. A. Smith. SILVER-SPANGLED: Cks 1, 2, hen 2, pen 1, Wm. G. Minnich; hen 1, A. J. Braun; hen 3, ekl 1, pul 1, W. B. Sherry; hen 4, ekl 3, pul 5, W. G. Riley; ekl 2, pul 4, F. G. Bean; pul 2, 3, Revere Poultry Yards. SILVER-PENCILED: Ck 1, hen 2, ekl 1, pul 1, W. B. Sherry; cks 2, 4, hen 5, Wm. G. Minnich; ck 3, hen 1, W. A. Smith; ck 5, hen 4, A. J. Braun; hen 3, Geo. Burn. Red Caps.—Ck 1, hen 2, ekl 1, pul 2, Chas. McClave; ck 2, hen 4, Geo. Burn; ck 3, hen 1, W. B. Sherry; ck 4, hen 5, ekl 3, pul 3, pen 1, W. A. Shafer; hen 3, Wm. G. Minnich; ekl 2, pul 1, W. A. Smith.

FRENCH

Houdans.—Ck 1, A. J. Braun; ck 2, hen 4, ekl 3, pul 2, W. A. Smith; ck 3, hen 1, ekl 4, pul 4, Geo. Burn; hen 2, 3, Eugene Sites; cks 1, 2, pul 1, 3, J. C. Kriner; ekl 5, pul 5, F. G. Bean. Crevecoeurs: Ck 1, hen 2, 3, ekl 2, pul 1, J. C. Kriner; ck 2, hen 1, W. B. Sherry; hen 4, ekl 1, pul 2, Geo. Burn; ekl 3, H. A. Shetler. La Fleche: Ck 1, hen 3, W. A. Smith; ck 2, hen 1, ekl 2, pul 1, Geo. Burn; ck 3, hen 2, ekl 1, pul 4, H. A. Shetler; ck 4, hen 4, pul 2, 3, W. B. Sherry.

GAMES

Games.—BLACK-BREASTED RED: Ck 1, hen 5, F. G. Bouquet; cks 2, 3, hens 1, 3, pul 2, 4, H. T. Heruan; ck 4, ekl 1, pul 5, Geo. Burn; ck 5, W. A. Smith; hens 2, 4, J. F. Morrison; ekl 3, pul 3, W. B. Sherry; pul 1, A. J. Braun. BROWN RED: Ck 1, hen 1, A. J. Braun; ck 2, hen 2, pul 1, W. B. Sherry; ck 3, W. A. Smith; hen 3, Geo. Burn; pul 2, F. G. Bouquet. RED PYLE: Ck 1, A. J. Braun; cks 2, 3, pul 1, H. A. Shetler; hen 2, ekl 1, Geo. Burn; hen 3, ekl 2, F. G. Bouquet; cks 1, 2, 3, W. A. Smith. WHITE: Ck 1, hen 1, 4, ekl 1, pul 1, 2, N. B. Warner; ck 2, hen 2, A. J. Braun; ck 3, hen 3, W. B. Sherry. BIRCHEN: Ck 1, hen 1, ekl 1, pul 1, W. B. Sherry; ck 2, hen 2, ekl 2, F. G. Bouquet; hen 3, Geo. Burn; ekl 3, pul 2, 3, W. A. Smith. GOLDEN DUCKWING: Ck 1, hen 4, H. A. Shetler; ck 2, hen 3, A. J. Braun; ck 3, hen 2, ekl 1, pul 2, W. B. Sherry; hen 1, F. G. Bouquet; cks 2, 3, pul 1, 3, W. A. Smith. SILVER DUCKWING: Ck 1, hen 5, ekl 1, pul 1, 3, W. A. Smith; ck 2, hen 3, A. J. Braun; ck 2, hen 2, pul 2, Geo. Burn; ck 3, hen 4, ekl 2, H. A. Shetler; ck 5, F. G. Bouquet; hen 1, W. B. Sherry. BLACK-BREASTED RED MALAY: Ck 1, hen 1, Geo. Burn; ck 2, J. C. Kriner; ck 3, hen 3, A. J. Braun; ck 4, hen 2, ekl 1, pul 1, J. H. Mehrling; hen 4, pul 2, W. A. Smith. BLACK: Ck 1, hen 2, ekl 2, pul 2, W. B. Sherry; ck 2, hen 3, A. J. Braun; hen 1, ekl 1, pul 1, F. G. Bean; hen 4, ekl 3, W. A. Smith. CORNISH INDIAN: Cks 1, 3, 5, hen 3, J. F. Morrison; cks 2, 4, hens 2, 4, 5, pen 3, R. D. Reider; hen 1, Consolidated Leghorn Poultry Farm; cks 1, 2, pen 1, H. B. Swarnen; cks 3, 4, 5, pul 2, 3, pen 2, W. J. Young. PIT: Cks 1, 2, 3, hen 3, Wm. Schleigh; ck 4, hen 5, ekl 1, pul 1, Geo. Burn; ck 5, hen 4, W. B. Sherry; heus 1, 2, Wm. Butts. WHITE INDIAN: Hen 1, H. A. Shetler; hen 2, J. F. Morrison; hens 3, 4, N. B. Warner; hen 5, J. H. Mehrling; ekl 1, pul 2, E. L. Tallman; ekl 2, pul 1, W. B. Sherry. BLACK SUMATRA: Cks 1, 2, Geo. Burn; ck 3, hen 4, ekl 3, pul 2, W. A. Smith; ck 4, hen 1, ekl 1, pul 3, W. B. Sherry; ck 5, hen 2, 3, 5, pul 1, N. B. Warner; ekl 2, pul 4, A. J. Braun.

MISCELLANEOUS

Silkie.—Ck 1, Geo. Burn; ck 2, hens 1, 3, W. G. Minnich; ck 3, hen 5, ekl 5, pul 5, W. B. Sherry; ck 4, hen 2, ekl 1, pul 2, pen 1, Eugene Sites; ck 5, hen 4, ekl 2, pul 1, C. T. Cornman; ekl 3, pul 3, J. C. Kriner; ekl 4, pul 4, W. A. Smith; pen 2, H. A. Shetler. Sultans.—Ck 1, hen 5, W. B. Sherry; ck 2, hen 3, J. H. Mehrling; ck 3, hen 4, cks 2, 3, H. A. Shetler; ck 4, hen 2, Geo. Burn; hen 1, ekl 1, J. C. Kriner. Frizzles.—Ck 1, hen 1, 3, cks 2, 3, pul 2, 3, F. G. Bean; cks 2, 3, hen 2, Geo. Burn; ekl 1, pul 1, W. B. Sherry. Rumpless.—Cks 1, 2, hens 1, 2, ekl 1, pul 1, 3, F. G. Bean; hen 3, ekl 2, Chas. McClave; ekl 3, pul 2, J. C. Kriner.

GAME BANTAMS AND BANTAMS

Game Bantams.—BLACK-BREASTED RED: Ck 1, hen 5, David Dunn; ck 2, hen 1, ekl 3, pul 1, C. T. Cornman; ck 3, hen 4, ekl 5, pul 2, C. G. Smith; ck 4, hen 3, W. B. Sherry; ck 5, ekl 2, A. J. Braun; ekl 1, H. A. Shetler; ekl 4, pul 3, pen 2, W. A. Smith; pen 1, J. C. Kriner. WHITE: Ck 1, hen 1, ekl 3, pul 3, F. G. Bean; ck 2, hen 2, ekl 4, pul 4, C. T. Cornman; ck 3, hen 3, ekl 1, pul 2, W. A. Smith; ekl 2, pul 1, Geo. Burn. BROWN-RED: Ck 1, hen 5, A. J. Braun; ck 2, hen 3, cks 1, 3, pul 1, 2, W. B. Sherry; ck 3, Geo. Burn; ck 4, hen 2, ekl 2, pul 4, C. T. Cornman; hen 1, J. C. Kriner; pul 4, pul 3, F. G. Bean; pul 5, W. A. Smith. BLACK: Ck 1, hen 3, J. C. Kriner; ck 2, hen 2, C. T. Cornman; hen 1, ekl 1, pul 1, W. B. Sherry; ekl 2, pul 2, J. H. Mehrling. GOLDEN DUCKWING: Ck 1, J. C. Kriner; ck 2, hen 1, ekl 3, pul 2, C. T. Corn-

(Continued on page 25)



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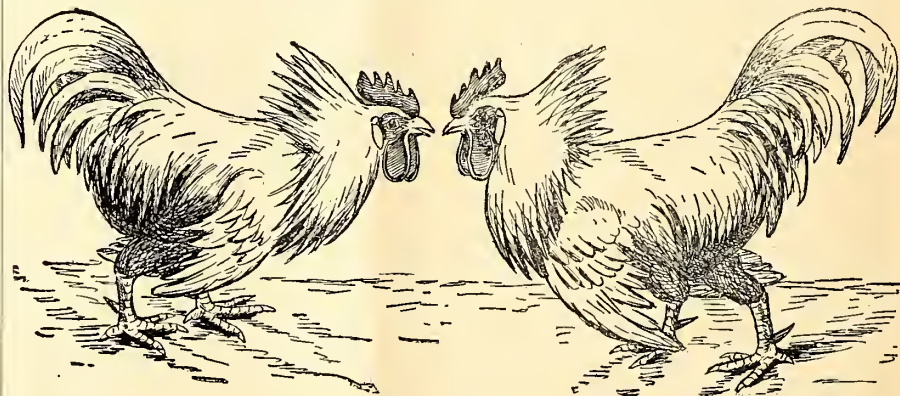
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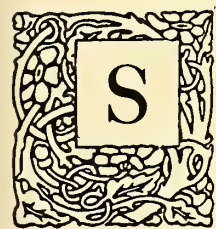
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12-6



# The Great American Turkey



SOME enthusiasts of the poultry fancy claim that the American turkey should have been selected as the emblem of greatness rather than the eagle. This sentiment is not a bad one, when we consider that the wild turkey of North America has cast its influence

over the turkey flocks of the world. There is scarcely a land in which turkeys are grown where the Bronze turkey of America or its ancestor, the wild turkey of North America, has not been used to improve size and quality of this par excellent of all table fowls.

The turkey has become the favorite dish for Thanksgiving; there is scarcely a family living within the confines of this country who does not have a turkey for Thanksgiving dinner. Under these conditions it is most opportune to present to our readers the history of this noble bird, and to connect with this the best methods for their cultivation.

Early in the fifteenth century was recorded the fact that the turkey was the favorite fowl for holiday feasts in foreign lands. They were largely cultivated during that period and became quite plentiful upon farms of England, France and adjoining countries. France, Normandy, Austria, Italy, and even Australia, were great producers of turkeys prior to their becoming very prevalent in this country other than the island variety.

In writing of the turkey, Mr. Charles De Leslie, of England, tells us that France and Normandy have sent turkeys into England for many years. The climatic conditions of Northern France and Normandy seems even more suitable to the turkey than the English islands. Italy and Austria produce many turkeys which are sold into other provinces. Whole trainloads of turkeys are sent from Italy and Austria into England by special train during the holiday seasons. The Italian turkeys are smaller than those produced in England and sell at times from 6 to 9 cents a pound wholesale. Many of these small turkeys are sold at retail in the London markets during the holiday season at about \$1 in our money. The best birds imported into England come from Normandy, some of them weighing as much as twenty pounds. The market records of London show that these specimens are often sold to the people of London as a substitute for the best Norfolk varieties. Even Russia has become a factor in the production of turkeys, some of which go to Germany and a few into England.

The recognized varieties under the American Standard are the Bronze, Narragansett, Buff, Slate, White and Black. In addition to these, we have of the non-standard varieties several cross-breeds, and one which is claimed to be a distinctive variety to itself. This is called the Bourbon Red, coming originally, it is thought, from the mountains of Kentucky, where it is claimed they grew in a semiwild state for many years. Our Black turkey is the same as the Black turkey of England, known as the Norfolk. The English Bronze was originated there through crossing some of our wild variety upon the Black turkey. We call our white turkeys the White Holland. In England they are known as



THE PRESIDENT'S TURKEY

the Austrian White. Why they should be thus named is not satisfactorily explained, as they neither came from Austria or Holland originally, but are supposed to have come as sports from other turkeys. To sustain this theory, we can state that a number of white sports with dark-colored shanks have come from both the Holland and Narragansett variety. These have been made use of to cross upon the White Holland, greatly to their benefit as to size and stamina. A few years' careful breeding and selection of the best has returned the pink shanks, holding size and stamina, which has greatly improved the white turkeys in this country.

In writing of the North American wild turkey, Mr. Audobon states that they were most plentifully distributed over the entire country north of the Carolinas and into Canada, most plentiful through the section subdivided as Pennsylvania, Ohio, and Kentucky. They were considered migratory. He, Audobon, held the opinion that the migration was influenced by the food supply in the several localities they visited, as they were great travelers and wandered about in search of food, always being found in the greatest numbers in that part of the country where hazelnuts, chestnuts, small grains, and wild vegetation-bearing seeds fit for food were most plentiful. They, like the wild pigeon, followed the crops into the localities where the season influenced the greatest production.

He also states that the foreigners who came to this country from other lands brought with them turkeys indigent to their home country. These being kept about the barnyards of the early settlers were often visited by the wild varieties, the result being a great improvement in all qualities of the stock raised. This was the first unguided cross that gave to the world the greatest of all domestic turkeys—the Bronze variety.

Later and up to the present time, all breeders of turkeys for table use have sought and obtained wild gobblers to cross upon their stock of domestic turkeys. These crosses have built up the

Bronze variety. Fanciers have selected, mated, and cared for them until there has been produced a most beautifully plumaged bird, which is described in the Standard of Perfection and is classed among the most welcome specimens in the exhibition halls. A large display of the Bronze turkeys will attract the greatest attention in all localities wherever they may be shown, either at a fair or poultry exhibition.

The first turkeys taken from this country to foreign ports are thought to have been of the variety known as the Mexican turkey of the southern portion of North America. These are somewhat smaller in size and of a lighter cast of plumage. It is thought that they were the ancestors of the Narragansetts and all lighter plumaged domestic varieties. These were taken to England and other foreign ports, and from them must have descended all the turkeys of foreign lands, the English Bronze, the White, and any subvarieties that have ever been bred abroad. In no land other than ours was the turkey ever discovered. They are absolutely indigent to America and the islands adjacent thereto. In recent years, or since the beginning of the seventeenth century, many of the North American wild turkeys and the crosses therefrom, known as the Bronze turkey, have been shipped all over the world. The result has largely improved the turkey crop of the world.

It is most unfortunate that the governmental authorities of this country permitted the wild pigeon and the wild turkey of North America to be almost entirely exterminated. These should have been protected by law and continued in their wild existence as long as there were any lands over which they could roam and gain sustenance. They were the natural source from which came the strength, size, and vigor of all of our domestic varieties. This natural supply for improvement gradually dwindled and unfortunately the necessity for sustaining the strength and vigor of our turkeys was neglected for years. They were allowed to run down and deteriorate in size, but of recent years this has been bettered, and while there is still room for improvement in all the outlying districts where turkeys are grown, those who thoroughly understand the necessity of new blood are improving their flocks so fast as to gain for them the congratulations and applause of all who are interested in the natural upbuilding and strengthening of the turkey supply of the world.

The Narragansett turkey is almost equal in size to the Bronze variety. They differ from them in the style and marking of the plumage, all of their surface color being striped with light gray, the ground plumage being black regularly penciled across with bars of brown and edged with light gray. This light gray produces white. The female of the Narragansett variety, as we now see them, are rather small for best results. The size of the hen turkey of all varieties should be greatly improved; the larger and more vigorous the female, the greater assurance do we have that the poults will be strong and vigorous and easily grown. Delicate females, or undersized, small females usually produce poults most difficult to grow.

The Buff turkey should have buff-colored plumage throughout. Many of them, however, have more or less white scattered through their





FATTENING FOR MARKET

plumage. The Slate turkey might be called a blue turkey, as its color is a slaty blue, having been produced more than likely as the result of crossing the White and Black variety. This is more of a fancy variety than of utility kind. But few of them are bred in comparison to the others.

The White turkey is pure white in plumage with pink shanks and toes. These can be as well bred and as vigorously grown as any of the other varieties, if care is given to the selection of the parent bird from which they are grown. Large females, two years old or older, paired with large-sized, vigorous white toms, are doing a wonderful work in the upbuilding of this variety in both size and vigor. The Black turkey is the original of the domestic turkey. These have also been improved through an intermingling of the blood of the Bronze variety. A black turkey is a most beautiful fowl when of pure black color and plumage. It is claimed that their meat has more of a golden tinge than any other of the several varieties. Whether this is true or not, they are a most valuable turkey in all parts of the world, as they seem to withstand every climatic condition even better than the others. Some of the most excellent of this variety that we have seen in years were exhibited at the last Hagerstown fair.

To the breeding of the Norfolk, the Black, the Bronze, and the White turkey and the many sub-varieties, the English and the French have given even more attention than we have in this country. The Bronze is known among them as the Cambridge, the Black as the Narragansett, and the White as the Austrian White. Even with them they claim that for fineness and delicacy, the flesh of the Black Norfolk stands supreme. Next to these they class the White Austrian. The reason for this seems to be that the people of Norfolk, England, have given more attention to these varieties than has been given to any other varieties of turkeys anywhere in the world. Next to these the White Holland have been cultivated. There is a reason for this which lies in the fact that the size of these two has been most suitable for selling to the greatest number of purchasers. The Bronze having been cultivated for a greater size than any other variety, tips the scale at from sixteen to twenty-four pounds, a size quite beyond the possibilities of the middle and lower classes of that country. The largest sale is made to those who purchase the lighter weight breeds, the cultivation of which has proven most profitable among the turkey growers of foreign lands.

In this country the Bronze stands supreme. They, however, do not hold the mar-

ket at their mercy; as the population increases, there is more demand for the smaller-sized turkeys. A large breeder told us within the month that he brought out as many late-hatched turkeys as possible, as there was an active demand for them up to the warm weather of the following year. All of these would grow into fine lightweight turkeys and could be sold most readily in the near-by market, a few at a time as they matured, the heavy-weight aged turkeys being sold to the commission houses of the large cities throughout the entire season where they are used for salads, sandwiches, chicken soup, and cold cuts for hotels and restaurants.

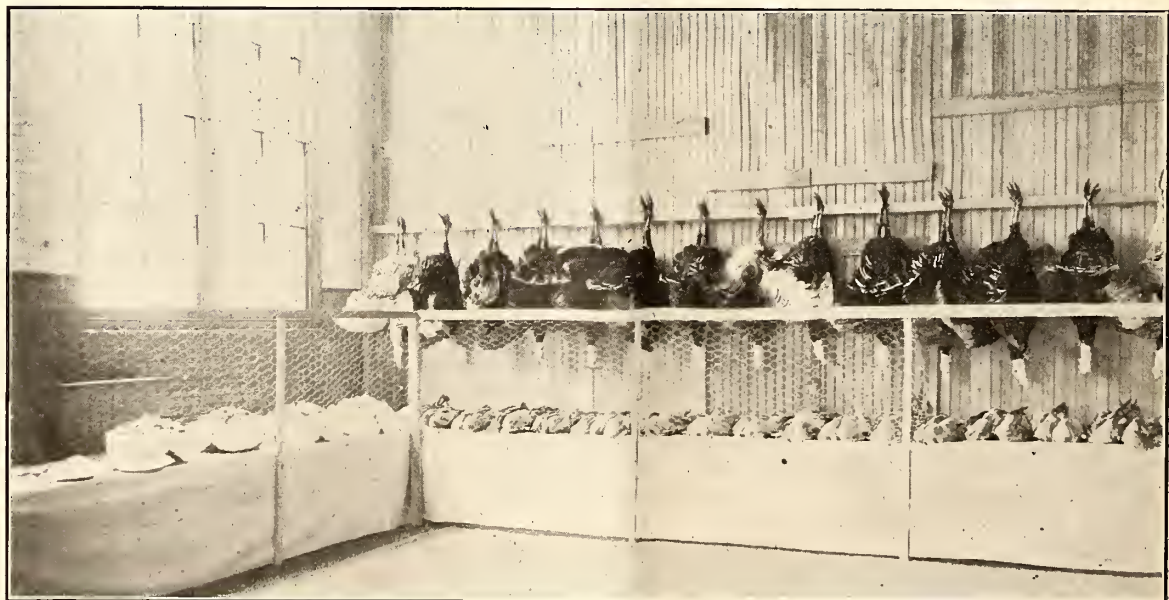
Where turkeys are kept, they should always be provided with separate living houses. In some localities they are permitted and often encouraged to live entirely out of doors, to roost either in the trees or upon roosts built for them in the open. Where houses are furnished them, they should be separate, and all other kinds of fowls should be excluded therefrom. There should always be some ventilation in or near the roof, and the roosts for the turkeys should be well up from the floor and on the level—never elevated one above the other, owing to the fact that each specimen within the building would be so desirous of perching upon the top round as to cause overcrowding, disturbances, and quarrelling among the flock. Where the roosts are upon

the level, no one has advantage of the other. In selecting stock for breeding, turkey hens over a year old should always be used. Hens in their second, third, and even fourth year, are the best producers. With these should be mated toms not under a year old nor over two years old. Toms from fourteen to sixteen months old or in their second year are always the best. Non-related flocks should be the rule. They should be selected for their perfect health, size, and vigor. Never select the overly large ones; those of the medium size or some larger are always the best.

Many years ago the turkey that produced eighteen and twenty eggs in a season was considered of the best. Considerable attention has been given of late years to the improvement of the laying qualities of the turkey hens. It is not unusual now to have them produce as many as fifty or sixty eggs in a season. Some have done even better than this.

The feeding of the stock turkeys should have special attention; they should not be overfed on fattening grain, nor should they be underfed and permitted to grow thin in flesh. Corn, wheat, and some oats should be given them. A favorite food for turkey growers for the breeding stock is boiled oats. The oats should be boiled, permitted to cool and be fed to them just warm enough not to be distasteful as cold cooked food. Luke warm or milk warm, as it is termed, is about the right condition in which to feed boiled oats. The reason for boiling them is because it softens the hull or husk, makes them more palatable and easy to digest. The turkeys are fondest of corn and wheat.

The range turkeys are considered to be the most profitable, and when well prepared for market, as desirable as are those bred in more confined quarters. Throughout some portions of Texas and the Western States they are grown many thousands in one locality. In a communication received a year ago we were informed by the writer that within his acquaintanceship of many miles of territory would be found in these different flocks as many as fifteen thousand young turkeys. His own flock consisted of over four thousand. As near as his records could be kept, he had hatched in one season about five thousand four hundred poults, over four thousand and six hundred of which were grown and sold to market, leaving him a sufficient number to supply himself and his neighbors and to replenish his flock for another season's work. He had fed almost entirely from start to finish on wheat, oats, and corn. During the early stages the



READY FOR THE THANKSGIVING FEAST



wheat and corn was broken into very small particles. As they improved in size, whole wheat, cracked corn, and a little oats was fed them. So soon as they were old enough to go upon the range, they were permitted to run at large, being fed only when weather conditions were such as to prevent their seeking for their food. The climate of the Far West having so little dampness during the summer months, enables the turkeys to range almost the entire time. It is always necessary to feed the flocks of young turkeys during a wet spell. Too much attention can not be given to this. Continued rains drabbles the plumage and removes the possibility of securing a full food supply upon the range. It is always necessary to feed quite heavily during such a period so as to prevent the turkeys from becoming weakened for lack of food.

Turkey hens make the best mothers for the young poults. They are apt to hide their nests and hatch their own eggs, if permitted so to do. This may be permitted, providing they are watched and a sufficient number of eggs removed from the nest to avoid the possibility of there being too many of them, which results in chilling a portion of the eggs during incubation and reducing the hatch. When the turkey hens hide their nests, always watch and remove the eggs and care for them, leaving one or two in the nest. When the hen becomes broody, place as many under her as she can cover, and permit her to hatch them.

The greatest difficulty in the cultivation of turkeys is rearing the young poults from hatching time to six weeks of age. Dampness, the direct rays of the sun, lice, and every known ailment possible to young turkeys seems to visit them continually and haunt their tracks up to the sixth week of age. After they have been grown to this age, it is usually safe to permit them to wander away and seek their food supply with the mother hen upon the range. They must, however, be protected up to this time from rain, dampness, turkey lice, and be properly fed many times a day. There are many systems of feeding them, all of which may be found in the United States Farmers' Bulletin No. 200, which the Department of Agriculture at Washington is always ready to send without cost to any one making application for same. This bulletin has done much to improve the turkey-growing of the country. Thousands of those who have failed before are succeeding now under the instructions gained therefrom.



FLOCK OF BRONZE TURKEYS

The feeding or finishing of turkeys for the holiday markets is of great importance to all growers just at this time. All the young stock should be plentifully fed so soon as frost begins to visit the locality in which they are kept. All of them should be fed six weeks or two months before being sent to market. This food should consist of wheat and corn. Plenty of grit should always be supplied them. Begin to feed sparingly at first. Always use old corn to begin with if possible. Gradually add to this new corn if desirable, feeding but little of the new corn at first. Increase the supply of this from day to day until they have become thoroughly accustomed to the handling of same, when the whole food supply, if necessary, may be made up of this. Increase the food supply from day to day. Plenty of water and grit is quite as essential as the grain supply. When plentifully fed, they wander but little and gain much faster in flesh through this manner of feeding. All turkeys may be increased fully one-fourth in their weight from the first of October to the end of November, if they are well fed and cared for. Thousands of turkeys are sent to market only three-fourths finished. A very small amount of corn would increase their weight to such an extent as

to add more than 25 per cent. to their value. The weight and the value per pound is considerably increased through this kind of care and proper feeding.

Many people are so desirous of choice poultry as to finish them for their own table by feeding a portion of chestnuts and celery seed each day to the growing stock. The turkeys sent from Rhode Island to the President have always been finished with the addition of these very savory foods. The chestnut-fed turkey is much talked of throughout the land. It is an expensive food. The feeding of chestnuts and celery adds considerably to the cost of their production. In New York City alone several thousands are sold during Thanksgiving and Christmas times at from 30 to 35 cents per pound, but these must carry with them the assurance that they have been fed in this manner. To finish them in this way, the chestnuts are chopped up into small pieces and mixed with celery seed, slightly dampened and coated with ground meal and ground oats, and fed to them in troughs. Meat does not seem to be a valuable food in the fattening of turkeys, nor do they seem to grow nearly so well under artificial methods as when carefully grown in the natural way.

## What to Feed for Eggs

Feeding for eggs can be largely governed through a proper knowledge of the food supply. Where fattening foods are given, foods that are full of starch and of heat, they do not contain a sufficient supply of protein. Where all corn is fed, there is plenty of food for the yolk, but scarcely anything for the albumen or white of the egg. When fed freely all foods rich in protein, there is assurance of a full supply of protein for the albumen or white of the egg. We do not think that there is any kind of grain which does not furnish a sufficient amount of the fatty supply. Remember when selecting the winter food supply for the laying hens to furnish them plenty of protein, and plenty of the product

which creates the albumen or the white of the egg, for in all these there will be plenty of the fat and the water. The one great necessity of the food supply for winter is to have the greatest amount of protein combined with what is called a roughness or coarseness in the food, so as not to have the ration so constructed as to be unbalanced.

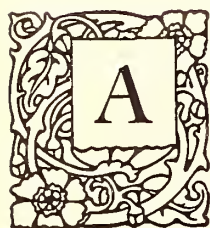
A writer from Tennessee gives his experience in feeding cotton-seed meal to chickens. Twenty-four Barred Plymouth Rocks that were laying but three or four eggs per day to the lot while feeding on corn gave much better results when the feed was changed to corn chops, bran and cotton-seed meal, and is now getting daily eighteen to twenty eggs per day from the

flock of birds. The feed consists of one quart each of the chops, bran and a gill of cotton-seed meal twice daily, with the poultry on an open range. The writer remarks that a change is noticed within twenty-four hours when changing from the corn diet to the ration above described. There seems to be considerable experimenting with cotton-seed meal with poultry in the South. Many have wondered whether it would make as good food ration as linseed meal. The difference in the ration as follows: Cotton-seed meal shows thirty-seven per cent protein, wheat bran twelve, while corn but seven. The difference in food value between these is very apparent, yet some contend that cotton-seed meal is a dangerous food for poultry.



# How Eggs Are Graded

By Clarence E. Weed  
Chicago Poultry and Egg Expert



AN EGG is an egg, you say, but is it? The good housewife who gathers the product of the hen from the nest may find one now and then whose shell has been smeared with mud from the layer's feet, but she doesn't hesitate to use the egg; she knows it is fresh and sweet. When such an egg comes to the city man's back door from the grocery he doesn't want it, he won't have it; the mud on the shell may indicate to him that it has been smeared on to hide age that otherwise might be betrayed by a shiny shell. He sends it back to the grocer with the rest of the dozen he bought and demands another lot; if the grocer can't do better the householder goes to another grocer who can, but when he finds him the chances are he has to pay several cents more a dozen—he is willing to.

Therein lies a "tip" for the poultryman with an eye to profit. Let him market clean, fresh eggs. When his reputation in that respect is once established the merchants will go looking for him and he, not they, can fix his own price.

But there are other things than cleanliness to be considered in connection with eggs. As sold in the city markets eggs are of all ages and all flavors. How the prices of these are fixed, the poultryman and the farmer has little to say. Even if the hens refuse to lay all winter, the seeming scarcity need not necessarily send prices "sky high," for then the storage warehouses pour forth their millions and keep the supply equal to the demand.

Butter and egg exchanges throughout the country fix the selling prices of eggs. They fix them with fairness, too, to the producer, country merchant, wholesale buyer, retailer, and consumer. These exchanges deny that an egg is an egg anywhere in the world. They have found that eggs differ, and therefore have established different grades. They control the market even more thoroughly than does the Chicago Board of Trade establish the basis for selling wheat throughout the country.

The principal exchanges are those at Chicago, New York City, Boston, Philadelphia, Cincinnati, Buffalo, Detroit, Kansas City, St. Louis, San Francisco, and Los Angeles. King of them all in volume of business is the Butter and Egg Board of Chicago. This is not because the men composing it are more adroit or have greater capital, but because Chicago takes the entire egg supply from the whole great Middle West. The country for hundreds of miles around Chicago is well adapted to poultry raising; there are scores of big poultry farms and every general farmer raises chickens and has surplus eggs to send to market.

The prices set by the exchanges govern the prices paid by wholesale dealers throughout their respective territories. The quotations themselves depend largely on the care which the poultrymen exercise in forwarding the eggs to market. The

manner of establishing the quotations is the same in all exchanges.

Many dealers have established a valuable trade in "Extra" eggs. Of this grade the Daily Trade Bulletin, issued for the dealers, says:

"These are a very high grade of eggs, put up by some of the city merchants to meet the requirements of a particular, high-class trade. It requires going through a good many cases to get one case up to the standard, as nothing but large, full, strictly fresh-laid eggs are taken."

Uniformity in grading is one of the essentials to a successful business in eggs, and care in packing and selection by the poultryman will bring him many dollars, especially if he depends on a retail trade.

The different exchanges have adopted drastic rules on grading. The Chicago rules contain the provision that eggs shall be classified as "Fresh

The rest in the cases may be defective in strength of fulness, but must be sweet.

Fresh gathered "Prime Firsts" must be packed in new, white-wood, thirty-dozen cases unless otherwise specified, shall be reasonably clean, of good average size, and must contain fresh, reasonably full, strong, sweet eggs as follows:

From February 15 to May 15.....85 per cent.  
From May 15 to October 31.....65 per cent.  
From November 1 to December 31...50 per cent.  
From January 1 to February 15....65 per cent.

The rest in this grade, other than the loss, may be defective in strength or fulness, but must be sweet. There may be a total average loss of one dozen to the case, but if the loss exceeds this amount by not over 50 per cent. the eggs shall be good delivery on allowance of the excess.

Fresh gathered "Firsts" must be packed in new, white-wood, thirty-dozen cases unless otherwise specified, must be reasonably clean, of good average size and must contain fresh, reasonably full, strong, sweet eggs to the extent of 70 per cent. from February 15 to May 15 and 45 per cent. the rest of the year. The remainder other than the loss may be defective in strength or fulness but must be sweet. There may be a total loss of two dozen to the case. If the loss exceeds this number by not over 50 per cent., the eggs are good delivery on allowance of the excess.

Fresh gathered "Ordinary Firsts" consist of current receipts in any kind of cases as specified. It is to this grade, perhaps, that the great bulk of eggs comming to market belong. The cases must contain, from February 15 to May 15, 60 per cent. of fresh, reasonably full, sweet eggs; the rest of the year 30 per cent. The remainder in the cases may be defective in fulness or strength, but must be sweet. The total average loss is limited to four dozen to the case, but the eggs are good delivery if allowance of the excess is made, in case the loss exceeds that number by not more than 50 per cent.

The same kind of rigid rules govern the "Storage" classes. Storage-packed is the term applied to eggs put up for storage. The eggs must be packed in new, No. 2, thirty-dozen, white-wood cases unless otherwise specified. The fillers must be new and dry, either medium or good No. 2 strawboard, with flats over top and under bottom layers; the padding must be kiln-dried excelsior or cork shavings on top and bottom of each case, no pine excelsior being used. A car contains three hundred eighty to four hundred cases.

Storage eggs are graded as follows:

Extras—Must be of good size, clean, fresh, full, and sweet. The loss must not exceed a dozen to the case. In this dozen there must not be more than three rotten and leaky eggs; the rest of the dozen may be small, dirty, checked, shrunk or stained eggs which are counted as half loss. If the total loss exceeds a dozen to the case by not more than 50 per cent. the eggs



PLACING IN COLD STORAGE

Gathered," "Storage Packed," and "Refrigerator;" they shall be graded as "Extras," "Prime Firsts," "Firsts," "Ordinary Firsts," "Seconds," "Dirties," and "Checks."

Loss, as used in the rules, shall comprise all rotten, broken (leaking), heavy spotted, broken yolked, hatched (blood-veined), and sour eggs. Very small, very dirty, cracked (not leaking), badly heated, light spotted, badly shrunk, salted or frozen eggs shall be counted as half loss in all grades except "Seconds," "Dirties," and "Checks."

Fresh gathered "Extras," under the rules, must be in new, white-wood, thirty-dozen cases unless otherwise specified, free from small and dirty eggs and must contain fresh, reasonably full, strong, sweet eggs as follows:

From February 15 to May 15.....90 per cent.  
From May 15 to October 31.....80 per cent.  
From November 1 to December 31...70 per cent.  
From January 1 to February 15....80 per cent.



are good delivery when allowance is made of the excess.

Firsts—Eggs must be of the same grade and quality as "Extras," except that the loss may be a dozen and a half to the case, of which there can not be over six rotten and leaky eggs. The other conditions are the same as for "Extras."

Ordinary Firsts—Must be of good size, fresh, full, and sweet. The loss can not exceed four dozen to the case, and only one dozen of these may be rotten and leaky.

No. 1. Dirties—Must be of useful quality, sweet-flavored and must not lose over a dozen and a half to the case.

No. 2 Dirties—Quality same as No. 1; eggs may be off flavor, but not musty. There may be a loss of not to exceed three dozen to the case.

Refrigerator eggs are those that have actually been in storage. They must be packed in the same manner as provided for "storage-packed" eggs. When "refrigerator" eggs are offered they must be designated by the month in which they were stored, the storage certificate being accepted as prima facie evidence of the date; the storage house must also be given and the entire storage charges must be paid by the seller unless otherwise provided. Refrigerator eggs are graded as follows:

Country Refrigerator—Eggs stored outside Chicago. If stored in other cities the city must be stated; if stored in small towns the place and state must be given.

Refrigerator Extras—Must be sweet and reasonably full. The loss is limited to a dozen and a half to the case.

Refrigerator Firsts—Must be sweet and reasonably full; loss must not exceed two dozen to the case.

Refrigerator Ordinary Firsts—Must be sweet and reasonably full. The loss can not be over four dozen to the case.

Refrigerator No. 1 Dirties—Must be of useful

quality, sweet flavored, and loss not over two dozen to the case.

Refrigerator No. 2 Dirties—May be off flavor, but not musty and not lose more than four dozen to the case.

Having adopted such stringent rules governing the classification and qualities of eggs the exchanges provide means to see that the regulations are enforced. So thoroughly do the dealers enter into the letter and spirit of their own laws, however, that it is comparatively infrequent that disputes arise. Millions and even billions of eggs are sold and bought without a hitch. Whenever there is a dispute there is an arbitration board that hears complaints and adjusts grievances. The exchanges also provide official inspectors, but no inspector is permitted to pass on eggs destined for the house with which he may be connected.

When the eggs go out of the hands of the wholesalers to the corner grocery or any other retailer, the retailer knows exactly what he has to offer for sale to the housewife. There, however, the eggs usually lose their identity. The retailer may have two grades of eggs, but never more; one he sells at a low price and the purchaser takes his chances on the quality. The other grade he demands several cents more a dozen for, but he guarantees the eggs are "good."

In the fancy groceries in the cities several grades are carried, among them the kind that is fresh-laid and very high.

The Chicago Butter and Egg Board is composed of one hundred fifty members. It was established in 1901, when the trade had grown so great that an exchange separate from that of the produce dealers was required. The membership is about equally divided between buyers and sellers, all large wholesale dealers, and these meet in the exchange room at one o'clock each day.

The prices are established by auctions, designated as "calls." Running half the length of the room is a large blackboard on which the secretary writes the offerings as they are made, putting down the names of the sellers, the number of cases offered and the successful bid. For example: John R. Deisher may offer four hundred cases of "Prime Firsts"—a carload from Wisconsin—for sale on track, the buyer to cart them to his store or ship them East. The offer would be put on the blackboard in this form:

"400 p f o t . . . . St. Paul rr . . . ."

When all the offerings are on the blackboard—and three thousand or more cases may be put up for sale in one day—the bids are called for. Competition is spirited. It is, however, carried on under inviolable rules.

"There shall be two egg calls," say the rules. "The first call shall consist of offerings for either present or future delivery, on which the grade must be stated. All transactions are subject to official inspection on demand of either buyer or seller.

"Immediately after the first call," continue the rules, "the quotation committee shall establish the market which shall be posted on the board. The second shall be merely an advertising call for miscellaneous lots of ungraded eggs, and sales are subject to buyer's inspection only.

"In making offerings the seller must mention the state where the eggs come from, and the members have the right to demand any information necessary regarding offerings, which the seller must furnish if possible.



TESTING EGGS

"The secretary shall post on the blackboard all eggs offered for sale and also all the bids; offerings and bids to be posted in the order they are made, and no offering or bid shall be considered regular until repeated by the secretary and placed on the blackboard.

"Where two or more bids of the same price are made for any certain lot of eggs the first bidder shall have the preference. Offerings or bids may be withdrawn at any time before acceptance. Eggs can not be offered on the 'call' in quantities of less than ten cases.

"Whenever a certain quantity of eggs is offered, the seller may refuse to accept a bid for less than the entire lot, though the bidder may be willing to pay the price asked for a portion thereof.

"Offerings on the first call must be straight lots from one packer or shipping point in uniform cases, and must be ready for delivery from the seller's stores unless otherwise specified. If eggs are offered 'On Track,' the particular depot where the eggs are located must be stated at the time the line is posted."

The board's rules regarding deliveries after the deals in the auction room are concluded are specific. They provide that the eggs must be as represented. They also provide a penalty for failure to keep contracts made under the rules.

"Eggs offered on the first call," says the board's code, "must be ready for inspection at 1 p. m. on the date of sale, or, if for future delivery, at 1 p. m. on the date the contract expires. On lots of two hundred cases or under, the buyer must notify the seller of the acceptance or rejection of lot offered before 3 p. m. Should the lot be rejected by the buyer, the seller can have the lot inspected and if sustained by the inspection certificate the buyer must accept the eggs and pay the inspection charges; in case the seller is satisfied the eggs will not pass inspection he can tender buyer another lot of eggs before 5:30 p. m. the same day, which tender must be accompanied by an inspection certificate not over thirty hours old.

"On lots of over two hundred cases the buyer must notify the seller of the acceptance or rejection



READY FOR DELIVERY TO THE RETAILER



tion of the lot before 5:30 p. m. Should the lot be rejected by the buyer the seller can have the eggs inspected and if sustained by the inspection certificate the buyer must accept the eggs and pay the inspection charges. In case the seller is satisfied the eggs will not pass inspection he can tender buyer another lot before 10 a. m. the following day, which tender must be accompanied by an inspection certificate not over thirty hours old. Time on all car-lot inspections is extended to 4:30 p. m. for the first tender and until 10 a. m. the following day on the second tender."

Penalties are provided as follows:

"If seller fails to make good delivery and complete contract of sale on first call he will be subject to a penalty of 5 per cent. on sales made for immediate delivery and on sales for future delivery he must pay a penalty of 15 cents a case, and in addition the difference, if any, between the purchase price and the market price on the date the contract expires.

"If buyer fails to complete examination of purchases and notify seller of acceptance or rejection of lot bought, before the hours fixed in the rules, or if he refuses to accept inspected eggs he shall pay the seller a penalty of 5 per cent. on all transactions for immediate delivery, and on future transactions he shall pay the seller a penalty of 15 cents a case and, in addition, the difference, if any, between the purchase price and the market price on the date the contract expires."

Further to safeguard purchaser and, ultimately, the consumer, the rules provide that "all eggs offered for future delivery must have grade specified and the offer must state definitely when the contract expires." To insure bona fide transactions "on all sales or purchases of eggs for future delivery each party to the contract shall have the right to call on the other for a deposit of \$1 a case on the date of sale."

All sales on the call are "cash on delivery at the option of the seller." In the case of eggs sold on the second call, the rules decree that all "must be ready for immediate inspection and should the buyer fail to begin inspection before 1:15 p. m. or complete same before 2:30 p. m. the seller shall have the privilege of canceling the sale entirely, except on eggs not in seller's store, on which inspection shall begin by 1:30 p. m. and be completed by 4 p. m."

It is after the auction sales on the first call that the most important work of the board is done. This is the establishment of the ruling price for the day. The quotation committee retires to a private room and considers the prices paid at the auction and the supplies on hand. It also takes into account the weather, as determining whether the hens are laying and whether the tendency of the prices should be up or down. It figures out the probable supply of eggs in the country, the prices at which these are held, and



AN ATTRACTIVE PACKAGE

may debate other elements affecting supply and demand. Then it may decide the auction prices are too low and declare higher figures. On the other hand, it may hold that the demand will be lighter than most of the members expect, and the supply greater, and cut the prices.

After the figures are fixed the official quotations are announced. If the committee holds, for example, that 19 cents a dozen is a fair price for the No. 1 grade, both for buyers and sellers, it will set that figure for the day. The importance of this official quotation lies in the fact that hundreds of cases arrive after the auction sales and must be disposed of at once.

The buyers, if they are under contract, agree to accept the board price daily throughout the year and the buyers pay this figure. Thus the market is saved from fluctuations and, as the wholesalers know what they have to pay for eggs, they can quote a certain price to the grocers who buy from them, or to the large eastern purchasers, with the certainty that they can purchase the eggs at a predetermined rate and be protected from loss. The wholesale buyers, who have warehouses in various cities throughout the country—each a kind of central station for the collection of eggs—and who have employees traveling to purchase from country merchants, know what the fixed price in Chicago is. Thus these wholesale buyers know what to pay for their supplies in the country.

The quotation committee is bound to establish a fair figure. It is composed of a constantly changing membership, always of both buyers and sellers, there being generally four of one class and five of the other.

The offices of the Chicago Butter and Egg Board are at 154 Lake Street, and at all times can be found there men who can talk eggs from Chicago around the world. They know when the hen is laying in New York and when she is refusing to lay in Maine and California, for long ago the telegraph became one of the principal adjuncts to their business. The officers of this important trade association are William H. Whit-

comb, president; Edward Rueb and F. A. Kelly, vice-presidents; John R. Deisher, secretary; A. W. Hale, assistant secretary, and T. A. Somerville, treasurer.

In 1905 the eggs handled through this board aggregated 2,445,532 cases, or 880,391,520 eggs, or more than ten for every man, woman and child in the United States. The growth of the business and the prices for four years may be seen from the following tables covering the Chicago board's receipts:

1902—1,882,386 cases.  
1903—2,004,626 cases.  
1904—2,232,768 cases.  
1905—2,445,532 cases.

Price ranges in cents by months:

	1902	1903	1904	1905
Jan...	22½ to 31	20 to 26½	26 to 33	24 to 31
Feb..	23 to 34	14½ to 20	18½ to 32	29 to 34
Mar..	14½ to 20	13¼ to 20	15½ to 18	15 to 20
Apr..	14 to 16	13¼ to 15½	16 to 17¼	16 to 18
May..	15 to 15½	14¼ to 15½	15½ to 16¾	16 to 17
June..	15 to 17½	15 to 15½	15½ to 16	15 to 15½
July..	17 to 18	15½ to 18	16 to 18	15½ to 19
Aug..	16 to 17½	18 to 20½	18 to 18½	18½ to 20
Sept..	17½ to 20½	22 to 23	18½ to 20	19½ to 20½
Oct...	20½ to 22	23 to 25	20 to 22	20½ to 23
Nov..	22 to 24	25 to 30	22 to 26½	23 to 28
Dec..	24 to 25	28 to 34	23 to 28	24 to 26

Receipts by months in 1905 ran as follows: January, 67,996 cases; February, 38,975 cases; March, 247,701 cases; April, 553,013 cases; May, 418,526 cases; June, 262,601 cases; July, 189,696 cases; August, 180,145 cases; September, 173,290 cases; October, 140,400 cases; November, 90,894 cases; December, 82,295 cases.

Vast quantities of the eggs handled on the board are destined for eastern consumption and large numbers for consumption in Chicago. Millions are bought there, however, in times when eggs are plentiful and cheap, in order to keep them off the retail market until eggs are scarce. These are put in storage and kept until the purchasers see fit to offer them for sale. The official figures of the board show that from five hundred thousand to seven hundred thousand cases are put in storage annually.

These storage or refrigerator eggs are not the kind, however, that city folk like to eat. The cases may bear the brand indicating that they are "sweet and of good flavor," but the eggs themselves taste something like a rotten egg smells. It can be readily seen, therefore, why there are right in the city of Chicago itself a large number of chicken houses in back yards. These chicken houses are owned for the most part by boys, who study egg production closely and induce the hens to lay when the retail market is most likely to be flooded with storage eggs. At such times the boys obtain 50 cents to \$1 a dozen for their fresh-laid eggs, and at that find they can not fill the demand in their own neighborhoods.

## Improvement in Buff Color

Within a year or two Buff Plymouth Rocks and Buff Wyandottes have won the honors of a special prize in competition with all other varieties of the same breed. The Buff Wyandotte pullet shown at the great St. Louis Exposition, the Buff Plymouth Rock hen recently shown at Boston, several Buff Plymouth Rocks and Buff Wyandotte males shown within the past few seasons have fully equalled in quality any of the other varieties.

Buff Leghorns, Buff Cochins, Buff Bantams,

Buff Ducks, and Buff Turkeys, are all in line for consideration under the title of buff-colored poultry. Even among the ducks and geese have been produced some richly-colored specimens better in color than were some of the buff fowls of ten years ago.

There are two features of the buff varieties that need some improvement yet—that is, the regularity of color to an even shade in all of them, and the total obliteration of either red, brown, cinnamon, or black. Too many of the true-col-

ored specimens have been produced to even permit of a possibility of the foreign color creeping in.

Buff poultry always carry with them the beautiful golden skin, shanks and beak so desirable in the markets of this country. While it may be some years before they will be so plentiful as to be considered among the most popular utility varieties, the time is coming when fowls of all kinds having the buff color will be much sought after.



# Two Popular American Varieties



UNDER the series of articles commenced in our August issue on "Science of Breeding," and continued in the September and following numbers, we called attention to the proper production of color. Special stress was given to white as a color in the September issue. One of the oldest and perhaps most successful producers of White Wyandottes called out attention to some statements made therein relative to the production of pure white in plumage and applauded the stand taken in these articles.

No breed or variety of fowls has had equal attention bestowed upon their production that has been given to the Plymouth Rocks. Too much, perhaps, has been written in past years of their origin, yet to present the case as we wish to before our readers, necessitates stating the fact that the original Plymouth Rock, the barred variety, came from crosses made in which the Rose-combed American Dominique was paired with a black fowl of Asiatic blood. Whether this was the Java or a smooth-legged Shanghai from China, makes no difference whatever in the presentation of this proposition. The fact that the female used had black plumage, and the male an American Dominique establishes the condition that has followed this variety from the first, giving a much lighter color of plumage to the male than is natural to the female.

The original American Dominique was very much lighter in color of plumage than any of the present time. The facts are that the most prevalent color among the Dominiques was, males even lighter in color than those used at the present time for the production of females of the Barred Plymouth Rock variety. Accepting the fact that one-fourth of the color in the Dominique was black, and three-fourths of a lighter gray, pairing this to a bird of solid black plumage gave three-fourths darkening influence to the original plumage of the Barred Plymouth Rock.

This influence necessitates the use of the double-mating system to produce males and females both of the same even shade of color. To gain the proper influence to produce the males they must be sustained in the matings with females much darker in color than you would have the males when grown for the exhibition hall. For this reason, a properly colored exhibition male must be mated to the darker colored hens to gain the proper color of plumage in the males.

On the other hand, the females which are naturally darker must be kept of a proper shade of color through the pairing of them with males much lighter in color than the females. The rule is to mate the most perfect show specimens in females to male birds very much lighter than themselves in the color of plumage.

To sustain this and to hold the line of breeding so as to obtain the best results, compels one to follow a line of breeding which is called breeding in line to establish a strain. We have before us several letters asking us to define

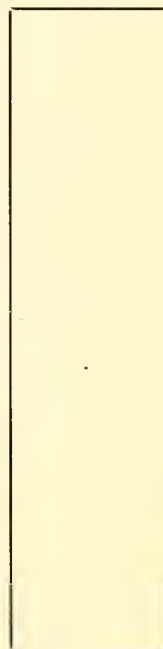
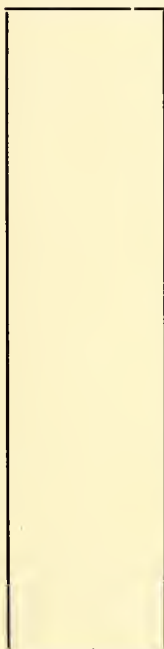
the true meaning of line breeding, which we shall attempt to do in an early issue of this journal. It is quite enough to mention here that to be successful in the production of exhibition Barred Plymouth Rocks one must be thoroughly well acquainted with the line of breeding of each specimen used, or they can not succeed. Males bred in line to the male-producing strain mated to females bred in the same manner produce the males. Males and females bred for years in line in the production of the best females are the only kind to make use of in hopes of producing good exhibition fowls.

Many years ago there came as sports from the barred variety albino specimens, which were

tucky, a white sport from his Black Cochin Bantams. This white sport proved most valuable in clearing the plumage and in building up perfectly white plumage in the White Cochin Bantams.

The sport that comes from the black fowl seems to have the cleanest white plumage. The influence of the black seems to clear and purify, as indigo does when used in the rinsing of white-plumaged fowls when washed for the exhibition hall. The black seems to act as a purifier, cleansing the white from all shades of foreign color.

There has never been as much trouble in producing white plumage in White Plymouth Rocks as there has been in having pure, white plumage in the White Wyandottes. If those interested



CALLING FOR BREAKFAST

considered at that time a disgrace in the yards by those who produced them. One of the first breeders to have these resided in Indiana. He told us many, many years ago that he hid away, or destroyed every white specimen that came to his flock, until finally he imagined that some use might be made of them, and grew to maturity some of these white sports, and carried them to an outlying district of country and bred from them in the woods. This was the start of the White Plymouth Rock in that locality. The same experience came to others of every country. Thus was bred into existence the first of the white variety.

All familiar with the production of poultry know that it is very usual for white sports to come from all black fowls. There is scarcely a black fowl or bird but what has produced albino sports from their own kind. A peculiarity of this is the fact that the whitest plumaged birds we grow often come as a sport from the black specimens. The writer never succeeded in producing the best quality in White Cochin Bantams until he received from Senator Nichols, of Ken-

will study the history of the Wyandotte, and consider the conglomeration of breeds and varieties in their make-up, they will readily realize that they have as many shades of color to contend with as the influencing power of color in the White Wyandotte that came as a sport from the silver-laced variety. When we imagine the difficulties that confront us in keeping pure the plumage of a solid-colored variety, we will understand the great difficulties in keeping a sport from the silver-laced Wyandotte of a pure white shade of color. A peculiarity of the Silver-laced Wyandotte may be summed up in the statement that some of the very best Silver-laced Wyandottes ever shown came as the result of a cross of the Silver-laced Wyandotte with a Dark Brahma, this cross having been made within ten years, and the specimens from that cross carrying away the honors of the show. If the laced Wyandottes had only white and black in their make-up as the Barred Plymouth Rock has, there would be very much less to contend with, for the intermingling of the black and white would more



than likely produce a bird that might sport from them of much purer plumage than could possibly come from the Silver-laced Wyandottes.

We have made thus plain these conditions in answer to a request to explain how it might be possible to produce White Wyandottes of as pure a plumage as were many of the White Plymouth Rocks. The writer states that the Wyandottes had been injured in type to an alarming extent through the use of pure White Plymouth Rock females. Our answer to this is that if we attempt to clear the plumage of a White Wyandotte, we should make the attempt through the use of the most perfect-shaped Black Wyandotte we could find in the world, believing that shape and color might both be improved much more quickly in this way than would be possible through the use of the White Plymouth Rock, which might improve the color, but injure the shape to an irreparable extent.

We fully realize that the above statement will call forth unfavorable comment, but we remem-

say relative to the white in plumage of all fowls.

Never has there been brought to the front a variety which has improved so fast in the three most important features of size, shape, and color, as the White Plymouth Rock. No other new variety has forged to the front so rapidly. No white variety can excel them in beauty and purity of plumage. To a very great extent they hold the most elegant Plymouth Rock shape, all of which proves that it has been easier to gain these qualities in this variety than it has been in the White Wyandotte. Certainly there must be some fundamental cause for this, and we believe it lies in the fact that color has been hard to control in the Wyandotte through the influence of the many shades contained in its early make-up, and that the Plymouth Rock naturally stays whiter from the fact that only white and black are in its composite make-up. This leads one to the opinion that the way to improve the plumage color of the White Wyandotte would come more naturally from the use of the Black Wyandotte

larger exhibitions. Wyandottes grade from almost a perfect Cochin shape to a remarkably accurate imitation of the Plymouth Rock. Wyandottes should all be of one type and breed characteristic. No breed at its best is truer to this than the Silver-laced Wyandottes, the ancestors of the Whites. Yet there is more deviation from breed characteristics in one large gathering of Wyandottes in an exhibition hall than will be found in several thousands of the White Plymouth Rocks in the breeders' yards. More attention should be given and more care displayed in handling the White Wyandottes, or, as surely as they have been most popular they will become unpopular. It is quite as easy to have them of the proper type, size, and color as the Plymouth Rock, providing they are properly handled. This can not be made through the continued introduction of the Plymouth Rock type.

We fully realize that these statements will be received unkindly in some localities. We could point out most glaring examples of the injury of entire flocks that had the highest reputation through the appearance of the Plymouth Rock blood, which is quickly recognized from the type of a large per cent. of the growing specimens in the flock. We can not realize any possible excuse being offered why a smaller per cent. of White Wyandottes should come true to breed characteristics than is found among the White Plymouth Rocks. We have in letter form the admission from some breeders that they have made use of such crosses to improve the color of plumage. We have in our possession some photographs taken almost ten years ago of some White Wyandottes which we hope to use in an early issue of our paper in comparison with the specimens of the present time as an object-lesson as to what might have been the results if the Wyandotte had been held to in the white variety from the start to the present day. It is not intended to unfavorably compare the two varieties; it is our hope that in so calling the attention of all to these facts to create an enthusiasm among the breeders of Wyandottes that will induce them to produce specimens of this most valuable and beautiful variety that will outshine their cousins, the White Plymouth Rocks. Personally, we love the natural Asiatic type of the Wyandotte. We know that this type can be produced of equal quality to any fowl on earth, and we are more than anxious to see in the exhibition hall a hundred or more White Wyandottes, all fully the equal of the hen that won first at New York and Boston last winter, and the beautiful specimen which won the blue ribbon at Hagerstown this October. It is the good of the variety that we have at heart, that leads us to give in comparison the possibilities between these two highly considered varieties, and it is within the province of the Wyandotte breeders to outstrip their cousins, the White Plymouth Rocks; but to do this, a concerted effort must be put forward for the production of the most perfect breed characteristics, carrying with it the clean, pure-white plumage to the skin surmounted by the yellow beak and upheld by shanks of beautiful golden color.



SOME MARYLAND PLYMOUTH ROCKS

ber when we wrote, under the caption of "Science of Breeding," many years ago, some of our statements relative to the Plymouth Rock and the Silver-laced Wyandotte were criticized. Years of experience have proven our statements to be true. The recommendations made at that time as to the proper mating of the Wyandotte has produced in many instances since that time the most beautiful open-laced specimens, and while we advised the use of light under-colored birds, especially in the male that have the large, open center in the saddle plumage, we did so believing that it would bring the best results, stating at the time that it might produce specimens that would lose perhaps a point or two in under-color, but which would gain so many points in improved surface color as to outweigh and surmount all that might be lost in the under-color of the fowl, which statements made relative to the Plymouth Rock have worked out about the same.

We do not mention this in an I-told-you-so fashion, but in connection with what we have to

cross than through the use of a White Plymouth Rock, which might improve the shade of the color, but injure the shape of the fowl. It might be an easier task to drive out the bad color influences from such a cross than it would be to eradicate the shape influences which came from the Plymouth Rock cross. The White Plymouth Rocks, as we find them in the yards of the best producers, are beautiful to behold. The shape is true to breed characteristics; they carry much better-colored shanks and beautiful white plumage than do most of our white varieties. But little trouble is experienced in holding the size and shape. Careful matings of these produce many more of a true-colored plumage than seem to come from the Wyandottes. In the show-room there seems to be less discounting for color in the White Plymouth Rock than in the White Wyandotte. The sale of the White Plymouth Rock has become enormous. They gain in popularity even beyond the expectations of those most interested in them. These classes continually grow and increase in numbers and quality in the





Science of Breeding

By T. F. McGREW

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Proper Feeding

**M**OST important in the care of poultry for the production of eggs for market and market poultry is the feeding. The egg production of a hen must depend entirely upon the surplus food consumed by the hen for their formation. Every portion of the body must be fully sustained before any portion of the food is made use of for manufacturing the eggs. For this reason, it is well to fully understand the component parts that must be made use of by the hen for sustaining body, bone and tissue; the production of feathers and sustaining same, as well as the manufacturing of the internal heat that keeps her alive and protects her from the cold.

The cost of food ration when purchased in the market will vary from 84 cents to \$1.50 per head, according to the localities in which the grain is purchased, the cost being less at or near the grain-producing centers than in the East. Hens kept upon the farm will cost about 70 cents per year for their keep.

Hens that lay but sixty eggs per year that are sold or are worth an average of about 18 cents per dozen, return in value for their keep 90 cents in eggs per year. Those that lay one hundred twenty eggs per year upon the same basis would return \$1.80 in eggs for their keep. When the price gained for the eggs is in excess of the cost for feeding and keeping the hens, that may be considered as a profit.

To illustrate keeping hens upon a town or village lot, we give below the experience of Mr. Berriker, of Illinois, who kept a record of twenty-five Rose-combed Leghorns. The report for the year is as follows:

Value of eggs sold.....	\$77.83
Value of eggs used for family table .....	13.67
Value of poultry consumed by family .....	3.96
Value of stock sold.....	34.83
Total income.....	\$130.29

The cost of feeding was \$36.57, leaving a balance for the labor and pleasure of keeping the hens of \$92.72. It will be noticed in this calculation it cost a little more than \$1.46 in feed for each hen, and that each hen produced something less than \$4 in value per head during the year. This would be remarkably good management which any one may achieve with care and judgment.

Another who kept a record of one hundred hens on a city lot received from them almost ten thousand eggs during the year. Eggs for hatching broilers, breeding stock, etc., were sold from these to the amount of \$573. It cost \$1.80 apiece to keep these hens, leaving a handsome margin of profit

for the care and attention bestowed upon these fowls. In this instance the party keeping the hens had a closely neighboring trade that paid him the highest market price for eggs and broilers.

Another means of a profit in which every one may participate is caring for and selling the feathers, which bring from the low price of 7 cents per pound for the poorer grade of chicken feathers to 60 cents a pound for the finest quality of goose feathers. In handling poultry of all kinds one should thoroughly consider the possibilities of gaining an income from everything, including the feathers, the droppings, the eggs and the fowls.

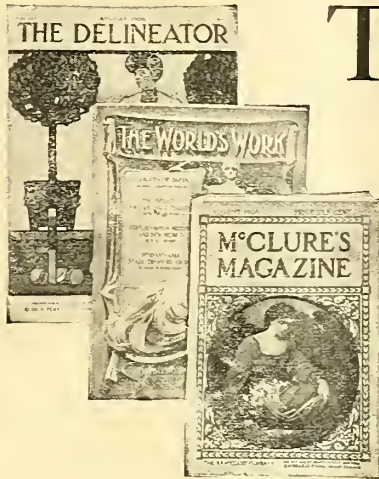
In feeding for eggs, the three most important features to be taken into consideration is providing protein for the albumen, fat for the yolk, shell-forming material of some kind, and in addition to this a sufficient amount of fattening food to keep up the constitution and heat.

Nothing seems more suitable for the dietary of the hen than an assortment of grains, some animal food, clover or alfalfa hay, grit and shell. If well provided with an assortment of grain such as wheat, oats, cracked corn, barley, buckwheat, some broken bone, a little beef scrap, grit and plenty of clover or alfalfa hay, the hen will be able to gather from this combination everything necessary for sustaining her body and the production of eggs. As to what preparation of each shall be used, we believe that it is always safe to have one-third at least of the entire grain ration of the hen of good, sound wheat, one-fourth of small, broken corn, for the reason that when it is thrown to the hens, they must scratch, hunt, dig and exercise for the smaller particles. When corn is fed whole it is quickly swallowed, and while much enjoyed by the hens, it is much more fattening than the cracked corn from the fact that a greater portion of the center of the corn is not found in cracked corn, this being the most fattening portion; then again, there is a larger per cent. of protein in the flinty part than is there in the center or core of the corn.

One-third of the ration being composed of the wheat, one-fourth of the cracked corn, the balance can be made up of an assortment of the other grains above mentioned. If these mixtures are carefully made and well mixed, they will prove most satisfactory as a proper grain ration for the laying hens during the winter months. The same can be made use of the year round without the meat ration in summer, providing the hens range at large where they can gather both green food, insects, bugs and worms. In connection with this grain ration an amount of green food equal to fully one-half of the grain ration must be provided. This, as stated, may be short-cut clover or alfalfa hay or mangled bits of any kind of roots which are handy, provided they have not a flavor that will taint the

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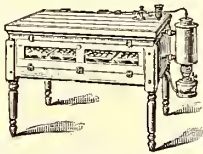
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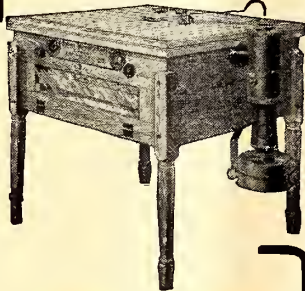
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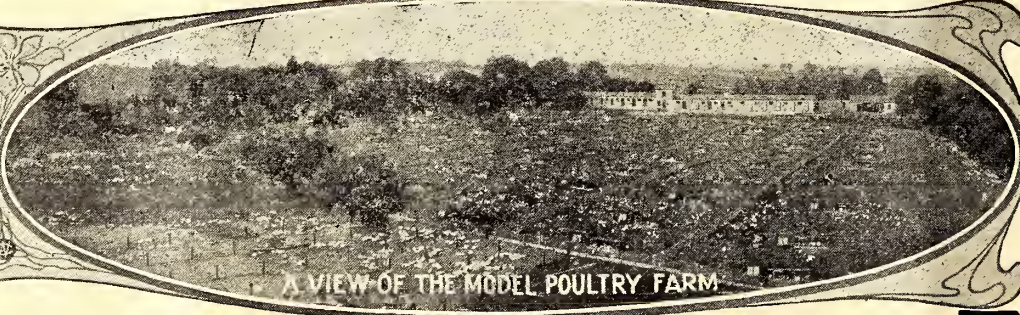
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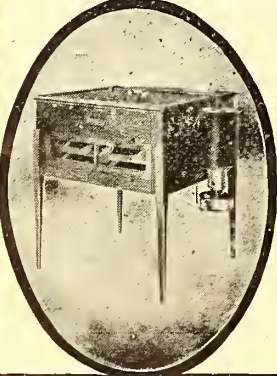
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eggs, such as too much cabbage and turnips

The feeding of mash foods has had much consideration in the last few years. The reason for using the mash food is that it furnishes a portion of the ration in a partly dissolved condition; the grain being ground and mixed with scalding hot milk or water, is partially cooked when fed, and is very much more easily ground up and assimilated by the hens. The feeding of the mash is lending assistance to the hen in diminishing the labor that she must do to grind the grain prior to assimilation. The mash may be composed of one part ground corn-meal, two parts ground oats with the hulls sifted out, two parts of bran or bran and middlings with a little flour mixed in. This gives a ration highly valued as an egg-producing feed for the hens. The best time for feeding the mash is undoubtedly at noon. When the hen goes from the roost in the morning, if she is induced to hunt, scratch and dig deep into the litter for the small particles of the grain ration, it gives her exercise which produces warmth, invigorates the system and lends its aid through necessary exercise to the formation of the eggs. This reason, if no other, should direct the feeding of the small grain to the hens in the litter early in the morning during every day of winter. At noon when the sun naturally shines most into the house, the mash food can best be fed, and quickly consumed. Well-fed, contented hens will more than likely bask in the sun and dust themselves in the dry earth, which should be well spread over the floor beneath the litter during the winter months.

Later in the afternoon the full grain ration should be scattered through the litter, so as to keep them busy until night-fall, scratching and digging to fill their crops prior to going to roost. No hen can be happy, contented, or do full service in egg production that does not have a full food supply to carry with her to bed at night.

Every laying hen should be well fed—in fact, fully fed—so as to have a sufficient amount at all times to satisfy the necessities of her body, and to provide the proper food ration for the production of eggs. If fed this full food supply, and deprived of plenty of exercise, the surplus food will go to fat, and but few eggs will be produced. Vigorous exercise helps to consume the surplus fat, to work off the unnecessary portion of the heat-forming foods, leaving a sufficiency for the production of the fatty portion of the eggs, which will be complete and finished, provided there is a sufficiency of that finer material which produces the albumen of the eggs. This is called protein, and a large per cent. of this is found in wheat, oats, meat, and alfalfa hay, all of which points to the use of this as a fine dietary for laying hens.

Too much value can not be attached to the use of scratching material or litter upon the floors of the poultry houses during the winter months. This should be perfectly dry at all times, which is an absolute indication of a dry interior. All the grain ration, which should be small, as above described, should be cast into this litter, which should be not less than a foot deep, so as to compel the hens to do hard, vigorous, work scratching and digging through and through the litter to gain a food supply sufficient to satisfy their demands. The exercise thus gained is almost of equal value to the food itself. It is a certain preventive of obesity, in-



dolence, feather-pulling, and egg-eating. But few hens have ever been known to eat up their eggs, or to peck each other to pieces in the eating or plucking of feathers when they are compelled to scratch continually for a sufficient food supply. We should prefer to feed animal food in the shape of beef-scrap, keeping a supply in the hopper, as well as shell, grit, and charcoal.

EGG-MAKING

It might not be out of place to give here the component parts of the egg as related to the food supply furnished them. Beginning from the exterior, and working in, the color of the shell must first be considered. Fowls having any portion whatever of the Asiatic blood in the veins produce the eggs having the tinted shells. What are known as the Spanish, Italian or European fowls produce the eggs having the white shells. There is no difference whatever in the food value, the flavor, and the quality of the egg, whether covered with the white or the tinted shell.

The egg shell is composed of carbonate and phosphate of lime and animal gluten, which is cemented together with what is known as salts of lime. When there is a lack of this cement, there may be produced eggs without shell, or, perhaps, the shell may be so thin as to bend when touched or moved. A hen that produces one hundred fifty eggs in a year will have produced two pounds of pure carbonate of lime which she must extract from some one or more of the articles of food for shell-forming material that she has taken into her crop. When told that fowls will gain enough shell-forming material from clover alone, contemplate the mass of clover she must eat to gain two pounds of carbonate of lime therefrom, and we imagine you will be convinced of the impossibility of this proposition. There can be found lime or ash in almost every food product, but when considering the small per cent. of same that exists in the dry food ration, one should realize the necessity of providing plenty of grit and shell-forming material.


THE BALANCED RATION

It is though by scientists that the proper food ration for a hen should be in proportion to one pound of protein to each 4 1/2 pounds of carbohydrates, which is heat-forming, fat-forming, and body-sustaining food, the protein furnishing the blood, albumen for eggs and the life and vigor, we might say, of the fowl. Whatever you feed to them, see to it that they get at least 1 per cent. of protein to every 4 1/2 per cent. of fat-forming foods. It is a guide that might well be considered to give some idea of the value of foods. We append hereto the relative food value of the grains most usually made use of for feeding of fowls. The table is taken from the Department of Agriculture Bulletins:

	Protein	Carbo- hydrates
Wheat .....	11.8	76.7
Oats .....	11.8	71.
Corn .....	10.5	81.4
Buckwheat .....	10.	69.5
Wheat bran .....	16.	62.7
Wheat middlings .....	15.6	69.4
Corn meal .....	9.2	77.3
Clover .....	11.6	46.4
Beef scraps .....	66.2	31.3

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N. B. THESE FACTS ARE COMPILED FROM ACTUAL RECORDS CAREFULLY KEPT.

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Now, animal matter or foods, are rich in protein, while only limited quantities are found in the grains and vegetables usually fed. But hens don't get worms and bugs in winter or when yarded. Therefore you must provide something to take its place if you expect to get the best results from your flock. What is that "something"? The best thing yet discovered is raw green bone—the fresh trimmings from the meat market—bones with meat and gristle adher-

ing—fresh cut and uncooked. Analysis shows that such raw bones and gristle—beef, pork or lamb—contain the same food elements as the bugs and worms. They therefore make a perfect substitute—not something "almost as good," but identically the same. A food rich in protein, and which costs but little more than the labor of cutting it. It contains more than four times the protein and egg-making materials of grain, and is rich in all the elements that go to make eggs, bone, flesh and feathers. That is why it makes hens lay as nothing else will;—Why it improves the vitality of the entire flock;—Why it makes red combs, bright eyes and glossy plumage;—Why it enables your flock to produce more fertile eggs, larger hatches and stronger, livelier chicks.



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—Why it promotes growth and development, giving you earlier broilers, earlier layers, and larger market fowls;—Why it more than doubles your poultry profits. It is cheapest because it is richest in the food elements fowls most need, and because it costs you but little more than the labor of cutting it. It is best because it contains these elements in their most digestible form, and you know exactly what you are feeding—as you cannot know when you use so-called "beef scraps" or the ready-mixed commercial foods, or the advertised "poultry foods" made from secret formulae, for which extravagant claims are made. You have to buy them "on faith;" you don't know what they contain. Fresh raw bone is greatly superior to "beef scraps," because the cook-

ing and embalming and preserving and drying of the scraps destroy nearly all their value. Experiment stations and thousands of poultrymen have proved the value of green bone. Can you afford to ignore such valuable food?

Our Free Trial Offer (No money in advance)

The best machine for preparing green bone is Mann's Latest Model Bone Cutter. Mann's turns easily and rapidly, cutting all green bone with all adhering meat and gristle, never clogging; never leaving chunks or slivers, wasting nothing. Its self-governing feed automatically adapts the cutting to your strength, so that any one can use it. Its open, binged cylinder is easily cleaned and takes in large bones. It is strong, durable and requires few repairs. We want you to try one. To prove to you that it is all we claim it to be we will send you any bone cutter you may select from our catalogue, on 10 days free trial—no money in advance. Just select the machine you want to try. We will ship it to you. If satisfied after the trial, buy it. If not, return it at our expense. Send for Catalogue to-day and make your selection.

F. W. MANN CO., Box 61, Milford, Mass.



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Copy may be changed as often as desired, though we advise running a standard ad when possible, in order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 1-3 cent each for each insertion when run three times or more. Figures count as single words.

### PLYMOUTH ROCKS

Barred Rocks, America's Best "Utility and Beauty" strain. Prize winners and world's greatest layers. A grand lot of Cockerels, the best we ever raised. \$3 and \$4 each. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-4

I Am the White Plymouth Rock Man. My White Plymouth Rocks are U. R. Fishel's strain direct. They are very fine in all sections. They are just what you want. No matter where you live or what you do you want some of my White Plymouth Rocks. Descriptive circular free. Correspondence cheerfully answered. Write to-day. COOLSPRING POULTRY YARDS, Plummer McCullough, Prop., Mercer, Pa. 12-4

White Plymouth Rocks, Fishel Strain, Choice young stock at low prices. KENYON BROS., Box 13, Elkland, Pa. 12-2

Choice Cockerels at Low Prices From Our Winning strain of Blue Barred Plymouth Rocks. Also, a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-4

Buff Rocks (Nugget Strain).—A Few Extra Fine large yearling breeding hens, splendid layers at half price while they last. ARTHUR TAYLOR, Washington, N. J. 12-2

1,000 Buff Rock and White Wyandottes For Sale. Nugget and Dunston's. Half has partly ruined my crops, I must sell. ALLEN SECHRIST, Port Trevorton, Pa. 12-2

Jersey Strain White Rocks Always Please and Win. Choice Breeding and Show Stock for sale. SPRINGER BROS., Bridgeton, New Jersey. 12-3

Barred Rocks and White Leghorns.—Have Some very fine pullets \$1.50 each. Eggs \$2.00 per 15. \$10.00 per hundred. SHAWNEE POULTRY FARM, R. F. D. No. 22, Louisville, Ky. 12-33

Only Buff Rocks Since 1895.—State Cup Winners 1904; Boston, 1905 2d pullet; '06 1st pen. Stock for sale. P. W. NOYES, Quaker Hill, Conn. 12-3

Barred Plymouth Rocks.—Cockerels and Pullets for sale at \$1.50 apiece. Also choice White Wyandottes. EDWIN A. DANIELS, 426 S. 11th St., La Crosse, Wis. 12-3

Selected "Fishel" White Rock Cockerels.—Excellent breeders and show birds at reasonable prices. Especially good in color. W. P. NORTHUP, R. No. 2, Addison, N. Y. 12-3

Bradley Strain Barred Rocks Exclusively. Bred for constitutional hardness, early maturity, prolific laying. Double mating. L. W. WALSH, Box 248, Lynchburg, Va. 12-3

Buff Plymouth Rocks and White Wyandottes.—Golden Nugget and Fishel strain. Cockerels and pullets from choice matings for sale. Cockerels, \$2.00 to \$5.00; pullets, \$1.50. MRS. HARRY FARNHAM, Vermilion, Ill., R. R. 32. 12-3

Barred Rocks, Bradley Strain.—After a Most Successful breeding season, now have the finest lot of young stock I ever saw. Excellent color, shape, style and size. Choice cockerels at very low prices; some very fine exhibition cockerels at fair prices. Send for catalogue. H. L. PIKE, Myersdale, Pa. 12-2

Dunderberg White Rocks, Fishel Strain, Pure white, heavy layers. Eggs \$1.50 per 15, \$8 per hundred. March and April hatched pullets and cockerels. DUNDERBERG POULTRY YARDS, Tomkins Cove, New York. 12-4

D. CURVIN KALTREIDER, Redlion, Pa., Has For sale his entire flock, 500 Buff, Barred and White Rocks and Buff Orpingtons, consisting of his 1st prize and cup winners at the largest shows of America at \$2. Ten or more at \$1.50 apiece. Must be first class, or will return money. 12-4

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Buff Plymouth Rocks. Nuggets. For Sale at reasonable prices. Fine cockerels hatched from my Fort Wayne prize winners. Satisfaction guaranteed. ED. RISSER, Middlebury, Ind. 12-4

Barred Plymouth Rocks. 100 Grand Cockerels for sale. These cockerels were bred from my 1st and 3d prize winning blacks at Scranton, Pa., 1906. J. H. HAZLEDINE, Bloomsburg, Pa. 12-4

For Sale.—Buff Plymouth Rock Cockerels. Kulp's strain. Raised on free range. Low price. THEO. MCGOWAN, Brookland Park, Richmond, Va. 12-4

### LEGHORNS

Mrs. C. W. Harrington, Harford Mills, N. Y.—Buff Leghorns exclusively. Cup winners in 1904 and blue ribbon winners in 1905. Breeding birds and young stock for sale. 12-6

Single Comb White Leghorns.—Young and Breeding stock from best prize and utility strains in the country. Reasonable prices. OTTO BROTHERS, Box 779 A, Rochester, N. Y. 12-11

For Sale.—Prize Winning Single Comb Brown Leghorns, 21 years a breeder of this variety, and won hundreds of prizes. E. S. SCHALLER, Clark, Pa. 12-5

Rose Comb White Leghorn and Single Comb R. I. Red Cockerels from premium birds; low tails, good size, reasonable price. INGELSIDE POULTRY FARM, Westfield, Ind. 12-3

S. C. Brown and Black Leghorns.—Black Minorcas. Stock for sale. \$5.00 trio up. N. B. WARNER, Hamilton, Va. 12-3

Single Comb Brown Leghorns.—Stock Bred From my Pittsburg, Allegheny, Canal Dover and Cincinnati winners. FRED H. COOK, Beaver, Pa. 12-3

White Leghorns.—Wyckoff, Blanchard, Van Dreser, and a grand exhibition strain. Pure fine stay-white birds. Nothing better for eggs or show. Write. LE ROY SUTTON, Morenci, Mich. 12-3

At Albany C. H. Wilcox, of Worcester, N. Y., won on Buff Leghorns, 1st cock, hen, pen, pullet, and 2d and 3d cockerels. \$1.00 up. 12-3

A Bargain in S. C. Buff Leghorns.—25 Hens \$1.00 to \$2.00 each. Pullets and Cockerels 75c each. MISS J. R. JONES, R. F. D. 1, Tobaccoville, N. C. 12-2

For Sale.—S. C. White Leghorns, Wyckoff Strain. Fine April hatched cockerels and pullets. Bred from prize winners. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-3

America's Best Single-combed Buff Leghorns. Exhibition and utility stock for sale. Winners at Hagerstown, Trenton, Harrisburg, Lititz, Saratoga. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-4

Black Leghorns. Rose- and Single-combed. Bred for size, laying qualities, and exhibition. Booklet of information free. Guaranteed full blood. EDWIN E. SITGREAVES, Phillipsburg, N. J. 12-4

For Sale.—S. C. White, Buff and Brown Leghorns; yearling stock, good quality; and Buff pullet and cockerels. 10 pair Homer pigeons cheap. Write your wants. CHAS. E. BOSTON, New Midway, Md. 12-2

Ten S. C. Brown Leghorn Pullets, Ready to Lay, and a cockerel for \$10. Your money back if not satisfied. J. BEAM WINGARD, Chambersburg, Pa. 12-2

Fifty Rose-combed and Single-combed White Leghorns for sale. Cockerels and pullets; pairs, \$1.50; trios, \$2.00. Good stock. WHITE HOUSE POULTRY YARDS, Springvale, Pa. 12-2

Kulp's Rose-combed Brown Leghorns. Breeding pens, \$7 to \$10. Cockerels, \$1.50 each. Circular free. GEORGE L. JACKSON, Goshen, N. Y. 12-4

Single-combed Buff Leghorns. Cornell-Wyckoff strain. Winners and layers. Stock for sale. Eggs in season. MURRAY SWARTWOUT, Groton, N. Y. 12-4

R. C. Br. Leghorns. (Kulp's Strain, Pure, Female line.) Yearling hens, pullets, and cockerels, \$1 each. WM. A. GAFFEY, South Worcester, N. Y. 12-4

R. C. White Leghorns. No More Stock For Sale, but eggs in season; \$1.50 per 15; \$2.50 per 30; or 100, \$6. R. W. PRICE, Troy, Pa. Successor to Price & Tobin. 12-4

### WYANDOTTES

Stay-White Wyandottes, Satisfaction. Positively guaranteed. Eggs, \$1 per 15; \$5 per 100. 75 to 90 per cent. fertile. Correspondence promptly answered. W. B. SHOEMAKER, Laceyville, Pa. 12-4

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-4

Thoroughbred White Wyandottes, Exceptional laying strain. Bred for practical purposes. Stock and Eggs for sale. BOYER & CLAUSER, Zionsville, Pa. 12-4

## Shape, Weight, and Color

By I. K. FELCH



HAT is the question that should be the demand. When judging, shape has more points for weight than for color, and the scales govern weight. When judges will cut all specimens the two points for all deficit of standard weight, or consider it when judging by comparison and will give weight its just valuation with color, then judges will never be far apart in their scores, and the winning specimens will be selected by almost all the judges of good reputation. But when we, as is too often the case, see awards made wholly on color, and that too often the ideal color of the judge, in contradiction to Standard demand, it is time to call a halt on such judging at our exhibitions. It takes something more than mere color to constitute a first-class specimen. The Standard demands that all specimens be scored to their actual weight and prohibits a first premium to be given under ninety points. When breeders ship birds, no matter how perfect the color, to weigh only two and one-half pounds when the Standard demands six and one-half for the same specimens, can you call such a first-class specimen? Did you ever see such, having lost eight points for weight, that were anywhere near perfect in shape? The glaring fact in almost all our exhibitions is to see the awards made solely on color to that degree that we hear the exclamations in them all, "This show is a color show only."

Many a pen that has lost ten points for weight has won the blue ribbon over a pen full-weight and better-shaped and of good color, because the competing pen was slightly less appreciated for color by the judge. Weight and shape are just as much a demand by the Standard as is color, and when the die is cast and the end comes to all poultry, weight wins at the butcher's block. Shape has been christened as the breed and the color the variety. Shape should stand first in the consideration when all else is equal. When the score stands equal the heaviest specimen should win.

I have two White Plymouth Rock cocks, white as a lily, weighing twelve and twelve and one-fourth pounds, with shape that stands above any other male I own. But what chance have they to win with a Standard instruction to judges to cut two points per pound for all over ten and one-half pounds they weigh. One must be cut three points, the other three and one-half points. Suppose after doing that a cock of nine pounds ties in score. The cock nearest the Standard weight wins and the ribbon goes to the nine-pound bird, the large birds having been robbed of three and three and one-half points of their real merit for the privilege of competing with one with only three-fourths the merit he has as a food supply. A wise decision that which robs a party that a competitor may reap an advantage. This instruction to judges should be expunged from the Standard and any breeder who is breeding any of the American breeds should assert in

his might, and demand it, and refuse to exhibit a bird in any exhibition that did not ignore it. The judges would do more for the American breed if they refused to apply that rule in their work, for it is unjust to merit, and only in the interest of careless breeders and careless breeding.

### Science of Breeding

(Continued from page 21)

largely upon the quality of same. If almost entirely of lean meat, the above analysis would be about correct. If, however, it contains a large per cent. of fat, bone and gristle, it would change the relative value of same. Wheat alone is about 1 to 7; clover hay, 1 to 4; corn, 1 to 8; so it will be seen that some wheat, cracked corn, clover hay and beef scrap could be so mixed together as to form a perfect ration for feeding the hens. With this table before you, one might easily make up a ration, as, for instance, a proper ration of grains might be mixed as follows:

	Protein	Carbohydrates
100 lbs. wheat.....	11.8	76.7
100 lbs. oats.....	11.8	71.
300 lbs. corn.....	31.5	244.2
50 lbs. beef scraps.....	31.1	16.6
50 lbs. wheat bran.....	8.	31.3
100 lbs. wheat middlings.....	15.6	69.4
50 lbs. clover.....	5.8	23.2
	117.6	531.4

Dividing the 531.4 by 117.6 we have a ratio of 1:4.5, which is correct enough.

A ratio of oats, corn, wheat bran and middlings would be as follows:

	Protein	Carbohydrates
100 lbs. oats.....	11.8	71.
200 lbs. corn.....	21.	162.8
25 lbs. wheat bran.....	4.	15.7
50 lbs. wheat middlings.....	7.8	34.7

Ratio, 1:6.34 44.6 284.2

Not balanced right? No. How remedy it? Add 30 lbs. beef scraps and we make the protein amount to 64.4 and the carbohydrates 293.5. Dividing one by the other we have a ratio of 1:4.5.

The above tables and information have been gathered from several publications to which we would like to give credit, if we knew from whence they were gathered.

After having considered the balanced ratio scientifically, we come face to face with the proposition usually termed roughage in feeding the stock. To describe this, hens that are fed all grain with some beef scrap and no roughage whatever should have a wider ration—say, strung out 1 to 5; whereas, if they consume considerable clover or alfalfa hay, it may be narrowed down even to 1 to 4, the alfalfa or clover being that character of roughage that will carry with it a larger per cent. of protein and prove a satisfactory ration. A very strong, condensed, narrow ration is much less valuable in feeding hens than a narrow ration where considerable roughage is consumed.



## American Egg-laying Contest



WE HAVE just received from the Rhode Island College of Agriculture the following communication relative to an egg-laying contest in America. This we hail with delight, and trust that every fancier in the United States will take this matter up conscientiously, and see that it is carried to a successful conclusion.—Editor.

"The numerous egg-laying contests that have been and are being conducted in England, Australia, and New Zealand are attracting a widespread attention over the entire civilized world, and nowhere more than in the United States. Although our own country has been foremost in all other poultry ventures, she has either absolutely neglected this very important aid toward a greater poultry industry, or the contests have been so conducted that poultrymen could not place confidence in the results.

"During the past few years the necessity for a movement of national scope in this line has been making itself evident to American poultrymen generally, and we have been approached time and again regarding taking up such a contest. Previous to this year our equipment would not permit, but we are now in a position to consider such a proposition under certain conditions, and as the time seems ripe for the undertaking we have decided to attempt the successful carrying out of a national egg-laying contest at this college.

"Our idea in this move is not so much to discover the best laying variety, which we doubt the possibility of, as to create a widespread interest in all breeds competing, and especially in their profit-producing qualities. We feel that our unique position gives us a certain right to conduct such a contest, as we are situated right in the heart of poultrydom, and this was the first institution to take up poultry matters on a large scale. To achieve the success such an undertaking richly deserves, we must have the hearty financial support of poultrymen in general and the specialty clubs in particular. Our working plan at present is this:

"The contest is to be open to one pen of eight (8) pullets of each of the standard varieties of chickens. These fowls will be furnished with one mate, by their respective specialty clubs, f. o. b. at Kingston, Rhode Island, between October 1 and November 1, 1907, each pen to be accompanied by two extra fowls to substitute for fowls sick or injured during the contest. Previous to July 1, 1907, each specialty club desiring to enter the contest shall deposit with the treasurer of this institution a sum of money sufficient to provide a small colony house, temporary fencing, and apparatus for housing and caring for each variety of their particular fowls. Receipted bills for the material so purchased will be returned to the secretary of the specialty club with the balance of the money. The apparatus will be the personal property of the club during this and subsequent contests of this character, and may be removed by it at the close of the contest—November 1, 1908—if so desired. The college will bear

all running expenses, and issue the results of the contest in a bulletin upon its close. The contest will be under the direct supervision of this division, and the most expert attendant procurable will be in charge of the actual work. Methods of handling must be left to our discretion, but all pens will be treated alike, the fowls will be trap-nested throughout, and accurate records will be kept of egg yield and market value per hen, weight and fertility of eggs, weight of fowls, kind, quality and market value of feed consumed, profit and loss per hen, length of molting and broody periods. Fowls will be crated and placed on the cars at the close of the contest.

"The initial expense to each club entering fowls will doubtless be less than \$50 for each variety, and express charges will cover the yearly expenses thereafter. The eggs will be the property of the college, to assist in defraying the attendant expense involved in feeding and keeping the records.

"Our main object in making the specialty clubs the competitors is to avoid the unpleasant consequences of necessary discrimination among would-be individual competitors, and to secure as many varieties as possible. The impossibility of using our present equipment for the contest, and our ability to use Government funds to secure buildings for this purpose, renders financial aid necessary. We desire secrecy regarding the source of obtaining the fowls, meaning the breeder, to avoid the personal advertising aspect. We feel that we can not afford to handle less than fifteen varieties, and must make this our minimum. If this number is not entered the project will have to be abandoned.

"Pardon the length of this letter as an evidence of the sincere interest of the writer. The plan outlined has the hearty endorsement of a number of the leading poultrymen of America, and is largely the result of their suggestions, and it is subject to amendment. The rules of the contest may be slightly altered, and will be given out later. We must have your hearty support to succeed, and it is a glorious opportunity to better poultry generally.—J. Willard Bolte, Acting Chief."

## Cruel Treatment of Poultry

The Society for the Prevention of Cruelty to Animals contend with shippers of poultry who send them one trip not to exceed one day's journey in small coops. If this society would turn its attention to the cruelty displayed in the continual exhibition of poultry for many weeks—in fact, several months at a time—by the traveling caravansary, they would serve a better purpose in teaching those who are so cruel to their stock that it would not be permitted any longer. Some specimens have been shown so many times and so continuously at fall fairs this season as to be so reduced in flesh and debilitated in health and condition as to present a pitiful sight.

Bent's Milk Albumen makes early layers. 12-2

**Partridge Wyandottes.**—At Scranton Show, Jan. 15, 1906, show second only to New York or Boston, my birds won first and third on cock, first on cockerel, first and third on pullet. Also cash special on cock for best Partridge Wyandotte bird in show. A few settings from my best prize matings, \$3.00 per 13. W. H. HAGEN, Scranton, Pa. tf

**Choice Cockerels at Low Prices From Our Winning strain of snow white Wyandottes.** We also have for sale a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. tf

**Mapleside Strain White Wyandottes.**—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. tf

**Silver Penciled Wyandottes, Direct From Wyckoff.** One cock \$10.00, one cock \$5.00, first prize hens \$5.00. Others \$3.00. Good breeders \$1.00 each. Closing out S. C. White Leghorns. LEWIS M. WADE, Worcester, New York. 12-2

**Silver Laced Wyandottes.**—Only Cockerels and Pullets. Standard marked birds at right prices. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 12-5

**For Sale.**—Snow White Wyandottes, Finest Strain in America. Pullets and cockerels \$2.00; two snow white cocks, \$3 each. W. H. CLEMENS, Saginaw, Pa. 12-3

**All My Finely Bred White Wyandottes For Sale** without reserve; half blue, also a few elegant white Leghorns. JAS. HALLENBECK, Altamont, N. Y. 12-3

**"Miller's Silver Wyandottes,"** Huntsburg, Ohio, were winners last shows. Hagerstown, Cleveland, Cincinnati. For show birds or nice breeders. I can please you or no sale. 12-3

**Partridge and Golden Wyandottes, Noted Strains, winners wherever shown.** Write for special low prices this month. Choice breeding cockerels \$1 up. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-3

**Columbian Wyandottes, Scoring 90 1-2 to 94 1-2 by** Orr. Trios \$10. Show birds \$15 to \$25 pair. H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-3

**Partridge Wyandottes.** Adam's "Goldbank's." Won 49 prizes at three state shows. Pen fowls, \$10; choice large cockerels, \$3; choice pullets, \$2. Shipped on approval. "PARSON" ADAMS, Altoona, Iowa. 12-4

**Wyandotte Poultry Yard, Spry, Pa., W. A. HILDEBRAND, Prop.** Eight varieties of Wyandottes that won at York, Hanover and Dallastown. Stock for sale. Booklet free. 12-4

**For Sale at Sacrifice.**—My Entire Raising of White Wyandotte chickens (Jackson strain). Retiring. B. HOLLY SMITH, M.D., 1007 Madison Avenue, Baltimore, Md. 12-4

**Silver-penciled Wyandottes.** A Few Fine Cockerels and pullets for sale; April hatched; also two cocks, one \$5, one \$8; prize winners. J. E. MORSE, Taunton, Mass. 12-4

**High-class White Wyandottes Exclusively.** Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

**White Wyandottes and White Holland Turkeys.** Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

**COLUMBIAN WYANDOTTE CO., Yoe, Pa.,** Has fine records at Litz, Hanover, York, and clean sweep of 1st and specials at Dallastown. Fine cockerels for sale. 12-3

### MINORCAS

**Black Minorcas (Northup and Trethaway Strains);** prolific layers of extra-large, pure-white eggs. Fertility guaranteed. \$1.50 per 15. E. L. BEAM, Box 15, Stelton, N. J. tf

**S. C. Black Minorcas; Barred Rocks—Young** Stock for sale for the fall trade. CHAS. L. BLANTON, Falls Church, Va. tf

**Black Minorcas.**—Bargain, Owing to Ill Health all breeders must go. 220 Cypher's Incubator, 2 Brooders, 3 cockerels, 20 hens, the best I ever owned. Eggs reduced, \$2.00 for 13. ED. CROUCH, Twining, D. C. tf

**Single Comb Black Minorcas.**—Imported Stock Direct. No money spared to get the best. A few fine Cockerels to spare at reasonable prices. No pullets for sale. E. S. LAWRENCE, Arnot, Pa. 12-3

**Selling Out My Minorcas, 400 Choice Fowls.**—All four varieties. Over 150 prizes. Prize winners and all go at one-third value. Send for circular. C. H. STAUNTON, Annapolis, Md. 12-2

**Mammoth Rose Comb Black Minorcas.**—Trios \$10. Pullets \$3 to \$5. Show Birds. Winners in any competition. \$15 to \$25 pair. MAPLEWOOD FARM, Memphis, Mich. 12-3

**R. C. Black Minorca Cockerels During November.** \$1.50 each, and your money back if not suited. FRANK B. REID, Cumberland, Md. 12-2

**Minorcas.**—10 R. C. M. Cockerels; 2 Cocks, Fine ones; 5 hens—6 S. C. M. Cockerels, 12 pullets, 10 hens. The stock is fine. Moving away. Must be sold by December 1. A bargain for good stock. D. C. HUGGETT, Camdeu, Mich. 12-2

**Single-combed Black Minorcas.** Young Stock For sale. Sired from Northup's No. 1. If you want winners at reasonable prices, write me. A. T. RENNNER, Coshocton, Ohio. 12-4

**Ford's Black Minorcas (Single-combed) Royal Exhibition strain.** Have size, shape, color, head points, vigor. Heavy winners at large shows. L. B. FORD, Somerset, Ky. 12-4

### GUINEAS

**White Guineas.**—We Have a Choice Flock of Pure White Guineas and offer eggs this season at one dollar per fifteen. We are filling orders now. THE IDEAL EGG FARM, Waterport, Orleans Co., N. Y. 12-2

### RHODE ISLAND REDS

**Shove Will Sell a Few of His Best Breeders of** Rhode I. Reds, Hondans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-4

**Change of Business, Making Personal Care of** my birds impossible, compels the sale of my Rose-combed Reds, with "good will," ribbons and diplomas. The reputation I have made, by hard work, fair dealing, a constant struggle for the advancement of the breed and the expenditure of thousands of dollars, is now worth much to one who can properly handle the business. I have only exhibited at the great shows, and in the current issue of "Poultry" and "American Fancier," I have published my record. I challenge any man to place by its side an equal record. F. D. BAERMAN, Dunellen, N. J. 12-2

**Rose Combed Rhode Island Reds. A Few Choice** cockerels left. Also a few good breeders. N. B. LINTS, Frankfort, N. Y., R. F. D. 3. 12-4

**O. J. YOUNG, Dayton, Ohio, Breeds Rose-combed** Rhode Island Reds exclusively. Some dandy breeding cockerels, \$2 up. Score-card with each bird. Satisfaction guaranteed. 12-4

### RHODE ISLAND WHITES

**Rhode Island Whites. Cockerels For Sale.** Bred from large, vigorous stock; at \$2 each. N. B. LINTS, Frankfort, N. Y. Route No. 3. 12-4

### BANTAMS

**Won More First Prizes Pan-American on Golden** and Silver Selbights than all competitors combined. Buff and Black Cochins Bantams. Winners. CLYDE PROPER, Schoharie, N. Y. 12-6

**Everything in Bantams.**—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMAN, Carlisle, Pa. 12-12

**200 Chicks, Best I Ever Raised, Red Pyle, Black,** Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. tf

**Buff Cochins Bantams. I Have a Few Youngsters** for sale. High grade stock. Good, solid buff throughout. Prices reasonable. Write GEORGE O. BILLHEIMER, Bethlehem, Pa. 12-2

**Bantams—Winners of 7 First, 4 Second, and 5** third premiums at Illinois State Fair, 1906. Stock for sale. J. C. JOHNSTON, Petersburg, Ill. 12-9

**Partridge Cochins Bantams. For Sale, Some** nicely-marked cockerels, fit to show; also one cock. White J. E. MORSE, Taunton, Mass. 12-4

**Dark Brahma Bantams. Best Strain in the** country. Winners at Boston, Madison Square, Rochester, Poughkeepsie; for sale cheap. LONE OAK BANTAM YARDS, Washingtonville, N. Y. 12-4

### BRAHMAS

**Light Brahmas, Exclusively.**—Winning Many prizes at Ballston, Albany, Schenectady and Gloversville. Good layers, big birds. Stock for sale. EAST VIEW POULTRY YARDS, Ballston Spa, N. Y. 12-2

### JAVAS

**Jones, "The Java Man," Suffield, Conn.—Mottled** Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose Comb Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. tf

### PHEASANTS

**Direct imports; all breeds; any number; gnar-** auted pure blood; strong, healthy, perfect birds. Cocks in plumage. If interested, send six stamps for book, "The Pheasant Industry," and 20-page catalogue. Prices right and satisfaction guaranteed. THE OHIO PHEASANTRY, Columbiana, Ohio. 12-4

**Golden Pheasants, Young and Full-plumaged Birds** for sale. Extra fine birds. C. W. SAYLOR, Greenfield, Ill. 12-4

### ORPINGTONS

**S. C. Buff Orpingtons.**—Stock For Sale.—Prices reasonable. Eggs 75c per 13, \$1.50 per 30. MISS J. P. JONES, R. D. 1, Tobaccoville, N. C. 12-3



**500 Single Comb Buff Orpingtons.**—Bred From My winners at New York, Chicago, Newark and Trenton. Special price on stock for next 60 days. Be sure and write me before buying elsewhere as these birds are going at reasonable prices to make room. H. W. ACKERSON, Box 96, Washington, N. J. 12-3

**White Orpington Home.**—Single Comb White Orpingtons are line bred from first prize winners and for superior egg production. Prize, exhibition, breeding and utility birds for sale. Write requirements. EARL L. COOK, Munnsville, N. Y. 12-3

**Special Cockerel Sale of the Finest Buff Orpingtons** in existence. It will pay you to write for our free circular and price-list before ordering elsewhere. First and second prize birds in Cocks and Cockerels for sale. WOODLAWN POULTRY YARDS, Box 90, Sandy Spring, Md. 12-3

**Will Sell First Prize World's Fair Single-combed Buff Orpington Cockerel and 12 prize Louisville-Nashville hens** for \$500. Cockerels from this yard, \$5 to \$10. Pullets, granddaughters first Boston cock, \$3 to \$5. Circulars. BLUEGRASS POULTRY YARDS, Mitchell, Tenn. 12-4

**S. C. Black Orpingtons.** Some Baragins in Extra choice stock, both old and young. Write your wants. JOSEPH S. RIEGEL, 1971 Summit St., Toledo, Ohio. 12-4

**White Orpingtons—3 Single-combed Pullets and 1 cockerel.** \$6 takes them. D. C. HUGGETT, Camden, Mich. 12-2

**For the Best Orpingtons, Any of the Ten Varieties,** you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch-plains, N. J. 12-4

## HOUDANS

**Bradley's Houdans Always Win and Are Bred for utility** as well as fancy. Write your wants. T. J. BRADLEY, Box 4, Delmar, N. Y. 12-4

**"Faultless" Houdans.** Pedigree-bred for Eggs since April, 1890. Pullets for sale now laying five eggs each per week, and weighing 6½ lbs. Grand cockerels. The heaviest layers of the largest eggs. E. F. McAVOY, Schenectady, N. Y. 12-3

## TURKEYS

**Half-Wild, Half-Bronze.**—Anxious to Raise Turkeys? Fine young and old stock for sale. Full Wild tom. Special inducements to early buyers. BERTHA M. TYSON, Rising Sun, Md. 12-2

## FAVEROLLES

**Faverolles.**—"The King of Utility Fowls." Also Lakeneyders. Send stamp for circulars. DR. PHELPS, Glen Falls, N. Y. 12-4

## DUCKS

**Rouen Ducks—World's Best.**—A Few Fine Birds for sale. Prices reasonable. Satisfaction guaranteed. Circular free. Write. F. D. FOWLER, Carlinville, Illinois. 12-9

**Wild Mallard Ducks in Full Plumage, Only \$3.00** per pair. These ducks are thoroughly domesticated and can be kept and bred anywhere. JOIN G. GERRISH, East Haven, Conn. 12-2

**Wild Mallard Ducks, \$3.00 Per Pair.**—These ducks are thoroughly domesticated. Satisfaction guaranteed. Address, JOHN J. BROERTJES, Box No. 403, Hammond, Ind. 12-2

**Choice Pekin Ducks.**—At Reasonable Prices For Extra Fine stock. Special inducements to those buying during fall months. Splendid layers. BERTHA M. TYSON, Rising Sun, Md. 12-3

**Rouens of Finest Quality.** Young and old birds ready for the best shows. Send for show record. F. D. BAERMAN, Dunellen, N. J. 12-4

**Wild Ducks.**—Pin Tail, \$5; Mallard, \$5; Blue and Green Wing Teal, \$5; Red Head, \$8; Blue Bill, \$8; Gadwall, \$8; Spoon Bill, \$7; Wood Duck, \$16; Widgeons, \$8. Also Rouen at \$3; Colored Muscovy at \$3 per pair. African Geese at \$6 per pair. Order from this ad. MEDFORD FARM, Nickerson, Kans. 12-4

## GEESE

**Brown China Geese, Indian Runner Ducks.** Prize winners at state show and wherever shown. Low prices for early orders. O. C. SECHRIST, R. R. 2, Meriden, Kans. 12-4

## FANCY PIGEONS

**Pigeons!** Thousands! Homers, Runts, Dutchess, Burmese Hen, Pollab Lynx, Carriers, Dragons, Pouters, Pigmies, Fantails, Jacobins, Owls, Turbats, Blondinettes, Swallows, Marples, Helmsies, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-4

**Fancy Pigeons.**—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. 12-4

**For Sale.**—Pigeons of the Following Kinds: Jacobins, all colors; Black and Blue-winged Turbats; Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-4

**Remember Before Placing Your Order for Homers, Carneaus, Mondaines and Maltese hens,** send stamp for my low prices and circular. F. BURTT, JR., Englishtown, N. J. 12-3

**German Pigeons.**—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs. \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

**200 Pair Mated White Homers.**—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

**Wanted.**—To Buy Your Surplus of Fancy Pigeons and pet stock. Address PAUL ARNABOLDI, 17 Hamilton Ave., Paterson, N. J. 12-2

**For the Next Four Months I Will Sell 500 Homers** at 75 cents a pair; 100 Homer hens, 50 cents each; also Runts, half Runts and 500 fancy birds. SOMERSET PIGEON LOFTS, Somerset, Mass. 12-4

**For Sale.**—At a Bargain. About 150 Pigeons, mostly this year's raising. Part Homers, and Common; kept separately. "MAPLE CREST," Middletown, N. Y. 12-4

## UTILITY PIGEONS

**For Sale.**—To Make Room 10 Prs. Carneaus, 5 pairs Runts, 10 Young Dragons, 5 pairs Red Homers. FRED I. BARNEY, East Providence, R. I. 12-3

**We Make a Living Raising Squabs, and Can Tell** how to do it. Detailed reply for 10 cents. PRACTICAL PIGEON PENS, East Bridgewater, Mass. 12-4

## FERRETS

**6000 Ferrets.** Some trained specially for rats. Book and circular free. LEVI FARNSWORTH, WORTH, New London, Ohio. 12-4

**Send 25c for Catalogue and the Greatest Book** published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

**Ferrets, Beagles, Fancy Rabbits, Barred Plymouth Rocks (from Gardiner), Toulouse Geese and Indian Runner Ducks.** Thirteen years' experience as a breeder. J. M. MARTIN, Delanson, N. Y. 12-10

**Shady Side Ferret Farm.** English and Fitch for hunting rats, rabbits and other small animals. Price list free. BERT EWELL, R. F. D. No. 4, Wellington, Ohio. 12-2

**Fifteen Thousand Ferrets; Perfect Workers.** These animals exterminate rats, bunt rabbits. 48-page illustrated book for 6 cents. Circular price list free. SAMUEL FARNSWORTH, Middletown, Ohio. 12-4

## FOR SALE OR EXCHANGE

**For Sale.**—50 Fine Barred Plymouth Rock and S. C. White Leghorn cockerels. M. K. STROUD, Herndon, Va. 12-2

**For Sale.**—60-acre Poultry Farm, Greenhouse and garden business. BOX 63, West Cheshire, Conn. 12-4

**Guinea Pigs.**—Attractive Pets; Prolific; Profitable; also Homer, Tumbler and Dragon pigeons. For sale low, or exchange for Bantams. WOODCREST FARM, Box, 3134, Boston, Mass. 12-4

**Poultry Farm, 20 Acres; New Buildings Worth \$3,000.** Fine fruit all kinds. Can contract eggs for 30 cents a dozen year round. Sickiness, must sell. \$2,500. J. B. CAMERON, Neapolis, Ohio. 12-2

**Two Thoroughbred Bronze Turkey Gobblers** "young." One White Bull Terrier for sale or exchange. Something fine. Address E. E. RAMSEY, Belair, Md. 12-12

## HOMING PIGEONS

**Homing Pigeons.**—I Have a Number of Fine cocks in Blue and Black Chequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race st., Philadelphia, Pa. 12-4

**High-Class Homer Pigeons for Squab Raising,** more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

**For Sale.**—From One to One Hundred Pairs Guaranteed mated Homers for squab raising; first-class birds, one to three years old, \$2.00 a pair. JAMES E. MILLER, Sandy Hill, N. Y. Reference: Peoples National Bank. 12-2

**150 Pair Homers, First-Class Squab Breeders.**—As we intend to move we offer the entire lot. WEBER BROS., R. 4, Hagerstown, Md. 12-2

**World Beaters, Racing Homers.**—The Strain That First flew one thousand miles. Full pedigree with each bird. CLIPPER HOMING LOFTS, Bond and Millman Sts., Baltimore, Md. 12-3

**For Sale.**—Two Hundred Pure, White, Thoroughbred Homers, \$2.00 per pair for breeders; \$1.50 per pair for youngsters. JAMES F. RICH, Wellfleet, Mass. 12-3

**Homers For Large Squabs.**—Two to Six Months old, \$1.00 a pair. Experience breeding for nine years. Pairs selected if possible. G. L. YERGEY, Douglassville, Pa. 12-3



## Business World



**ONKEE'S Roup Cure** has become a household word among poultry fanciers. This preparation has been on the market many, many years, and has proven its worth through the continual increased demand for same the year round.

This firm has prepared an excellent book on diseases of poultry, which they offer to their customers at the very small cost of 25 cents each. The advertisement of their goods will be found in the columns of THE FEATHER. Each reader of this should write to them for their latest circular and complete information.

We have just received the following communication:

"This is to certify that T. F. Potter has demonstrated to our entire satisfaction his system of selecting the laying hen from the non-laying hen, as described and illustrated in his booklet entitled, 'Don't Kill the Laying Hen,' and we are convinced that his system is absolutely certain." Signed by the president of the Iowa State Poultry Association, W. S. Russell, poultry judge; Rev. Adams, H. S. Shivers, A. L. Pedrick, E. C. Branch, and B. C. Garner

Undoubtedly the readers of THE FEATHER have noticed the advertisement of Grit in the current issues of our paper. The International Mineral Company, of New Haven, Connecticut, has taken untold pains in selecting a quality of mica spar for grinding into the best grade of grit for poultry. The combination that they have selected is useful as a grit, shell-forming material, and it is claimed that it has more or less good influence for digestion, which always lends its aid to better health. Ask your dealers for this, or write direct to the International Mineral Company for same.

The Bent-Croissant Company, 17 Main Street, Antwerp, New York, claims to have the finest preparation yet introduced as a cheap food to be fed to laying hens during the winter months to increase the egg yield. This is a product made direct from milk. It has been tested by several of the experimental stations throughout the United States. Send a postal card to them for their booklet, which may prove of value in saving the cost of food and increasing the number of eggs your hens may lay.

The October issue of Agricultural Advertising contains a number of most beautiful illustrations of poultry. This publication is devoted to the interest of advertisers throughout the world. At times they pay more than passing attention to poultry subjects. Those who are extensive advertisers should have a copy of this publication.

Advertisers who do a large business should be acquainted with the little magazine called White's Class Advertising, issued from the Caxton Building, Chicago, Ill. On page 81 of the October

Send for sample Bent's Milk Albumen. 12-2

issue is published the picture of those who make advertising great. A study of this presentation might be valuable to all who advertise in papers of any kind.

We have just received a copy of Barclay's ferret book. This is a complete presentation of the possibilities of getting rid of the rat pest through the careful use of ferrets. Mr. Barclay is a very active, energetic and well-informed user of the ferret. He has been called upon to rid the Government offices of Washington, D. C., of these pests, which he has done most successfully. Every one should write to Mr. Barclay, the ferret man, Washington, D. C., with reference to a copy of this valuable book on ferrets.

We wish to call the attention of our readers to the mistake made in the advertisement of Edgar Swain in our classified ad columns in the October issue. Instead of reading "cockerels were bred from exhibition stock scoring from ninety-three to eighty-four points" it should have read "from ninety-three to ninety-four points."

Rats and mice are so destructive, and usual methods for their extermination so unsatisfactory, that it is of interest to know that a highly scientific article can now be had for the successful extermination of these troublesome rodents. We have reference to the Rat Virus furnished by the Pasteur Vaccine Company, Ltd., of Paris, London, New York, and Chicago. The virus produces a contagious and mortal disease that only affects the rodents. As it is not a poison it can be used where other methods would be dangerous. We would recommend that you write the Pasteur Vaccine Company for further information, mentioning this paper.

The Standard Bone Cutter Company, of Milford, Massachusetts, has a wonderful reputation throughout the country, established by their salesmen, who go to all the fall fairs and winter shows, proving to the people the value of same. Some of the valuable features claimed for the machine are the automatic feed, horizontal cylinders, and the knives in the cutter plate being always in view. The construction of their machines is of the best. All poultrymen should send to them for their latest catalogue. Please mention THE FEATHER when writing them.

Incubators, brooders and like appliances are becoming absolute necessities in every locality where poultry is grown. One of the latest improved incubators is the one manufactured by the H. M. Sheer Company, 27 Hampshire street, Quincy, Illinois. These people are desirous of having their catalogue in the hands of all poultrymen as early in the season as possible. Last year they were unable to fill their orders. They wish to avoid the annoyances of the past season through the dealing with all comers as early in the season as possible. Write them at the above address for their latest literature in poultry growing.





## Awards at Hagerstown

(Continued from page 10)

man; ck 3, beu 4, A. J. Braun; beu 2, ckl 2, pul 1, W. B. Sherry; hen 3, F. G. Bean; ckl 1, H. A. Shtler. **CORNISH INDIAN:** Cks 1, 4, hens 4, 5, pul 1, J. B. Riggs; ck 2, hen 2, C. T. Cornman; ck 3, F. G. Bean; hen 1, J. H. Mehring; hen 3, W. B. Sherry. **SILVER DUCK-WING:** Ck 1, hen 2, David Dunn; ck 2, hen 5, F. G. Bean; ck 3, ckl 3, pul 4, W. B. Sherry; ck 4, hen 3, ckl 2, pul 1, C. T. Cornman; ck 5, beu 1, W. A. Smith; hen 4, A. J. Braun; ckl 1, pul 2, 3, H. A. Shtler; pen 1, Morgan Stinemetz. **BLACK-BREADED RED MALAY:** Ck 1, hen 5, A. J. Braun; ck 2, hen 2, C. T. Cornman; ck 3, hen 4, J. H. Mehring; hen 1, ckl 1, pul 1, Geo. Burn; hen 3, pul 2, W. B. Sherry; ckl 2, W. A. Smith. **BIRCHEN:** Ck 1, ckl 3, J. C. Kriner; ck 2, beu 1, C. T. Cornman; ck 3, ckl 2, F. C. Sites; ck 4, hen 4, A. J. Braun; ck 5, hen 3, ckl 1, pul 1, pen 1, F. G. Bean; beu 2, W. B. Sherry; pul 2, W. A. Smith. **RED PYLE:** Ck 1, hen 1, C. T. Cornman; ck 2, hen 2, David Dunn; ck 3, hen 3, A. J. Braun; ck 4, ckl 2, pul 2, W. A. Smith; ck 5, hen 4, ckl 1, pul 1, pen 1, F. G. Bean. **WHITE MALAY:** Ck 1, F. G. Bean. **Bantams:** **GOLDEN SEBRIGHT:** Ck 1, hen 4, ckl 1, pul 1, pen 2, W. A. Smith; ck 2, hen 3, C. T. Cornman; ck 3, ckl 2, pul 3, I. S. Miller; ck 4, hen 1, ckl 3, pul 2, pen 1, F. G. Bean; ck 5, beu 2, ckl 4, pul 4, W. B. Sherry; hen 5, W. A. Shafer. **SILVER SEBRIGHT:** Ck 1, ckl 2, pul 3, pen 1, F. G. Bean; ck 2, ckl 1, pul 2, W. A. Smith; ck 3, ckl 4, W. B. Sherry; ck 4, beu 4, 5, Willana Farm; ck 5, C. T. Cornman; hen 1, Frank W. Morris; beu 2, pul 1, Geo. Burn; hen 3, ckl 3, pul 4, 5, I. S. Miller. **BOOTED WHITE:** Ck 1, beu 2, 4, ckl 1, pul 1, 2, W. B. Sherry; ck 2, hen 1, Myles C. Jagersoll; ck 3, ckl 5, pul 3, pen 1, F. G. Bean; ck 4, ckl 2, pul 4, W. A. Smith; ck 5, hen 3, ckl 3, pul 5, A. J. Braun; ckl 4, H. A. Shtler. **BOOTED BLACK:** Ck 1, hen 1, A. J. Braun. **ROSE-COMBED BLACK:** Ck 1, ckl 1, pul 1, Chas. McClave; ck 2, M. C. Bankert; ck 3, ckl 2, pul 3, W. B. Sherry; cks 4, 5, hen 4, H. M. Raab; hen 1, H. A. Shtler; hen 2, ckl 3, pul 2, Geo. Burn; hen 3, pen 1, W. A. Smith; hen 5, Morgan Stinemetz. **ROSE-COMBED WHITE:** Ck 1, beu 5, ckl 5, I. S. Miller; ck 2, hen 3, C. T. Cornman; ck 3, beu 2, ckl 2, pul 1, W. B. Sherry; ck 4, beu 4, ckl 1, pul 2, J. H. Mehring; hen 1, ckl 4, W. A. Smith; ckl 3, pul 3, Geo. Burn. **BUFF COCHIN:** Ck 1, hen 1, ckl 1, W. A. Smith; ck 2, pul 5, F. G. Bean; ck 3, ckl 2, 3, pul 1, 2, pen 1, 2, Rock Hill Poultry Farm; ck 4, hen 3, David Dunn; ck 5, hen 4, ckl 5, pul 3, I. S. Miller; hen 2, ckl 4, C. M. Diffenderfer; hen 5, pul 4, C. T. Cornman. **WHITE COCHIN:** Ck 1, hen 3, pul 1, W. A. Smith; ck 2, J. C. Kriner; ck 3, hen 1, W. B. Sherry; hen 2, A. J. Braun; hen 4, E. L. Tallman; hen 5, ckl 2, pen 1, F. G. Bean; ckl 1, pul 2, Geo. Burn. **PARTIDGE COCHIN:** Cks 1, 3, Lewis P. Gramam; ck 2, W. A. Smith; ck 4, hen 1, 2, 4, ckl 1, 2, pul 1, 2, 3, C. M. Diffenderfer; hen 3, J. C. Kriner; hen 5, ckl 4, W. B. Sherry; ckl 5, C. T. Cornman; pul 4, W. F. Plummer; pul 5, pen 1, J. H. Mehring. **BLACK COCHIN:** Ck 1, hen 3, ckl 2, pul 1, W. H. Daniels; ck 2, beu 4, C. T. Cornman; ck 3, hen 1, W. B. Sherry; ck 4, hen 5, pul 2, pen 1, W. A. Smith; ck 5, ckl 4, F. G. Bean; hen 2, pul 3, J. C. Kriner; ckl 1, pul 4, Geo. Burn; ckl 3, pul 5, I. S. Miller; ck 5, W. F. Plummer. **BLACK-TAILED JAPANESE:** Ck 1, hen 4, ckl 1, pul 3, W. B. Sherry; ck 2, hen 3, F. G. Bean; ck 3, ckl 3, pul 2, Geo. Burn; ck 4, hen 1, A. J. Braun; ck 5, hen 2, ckl 4, pul 4, C. T. Cornman; ckl 2, pul 1, pen 1, W. A. Smith. **WHITE JAPANESE:** Ck 1, hen 1, ckl 2, C. T. Cornman; ck 2, hen 2, ckl 3, pul 2, W. A. Smith; ck 3, hen 4, 5, ckl 1, pul 1, Geo. Burn; hen 3, J. C. Kriner. **BLACK JAPANESE:** Cks 1, 3, K. C. Kriner; ck 2, J. H. Mehring; ck 4, hen 1, ckl 1, pul 1, C. T. Cornman; hen 2, 3, H. A. Shtler; ckl 2, pul 2, F. G. Bean. **BEARDED WHITE POLISH:** Ck 1, hen 1, C. M. Diffenderfer; ck 2, W. B. Sherry; ck 3, hen 2, ckl 2, pul 2, I. S. Miller; ck 4, hen 5, A. J. Braun; ck 5, hen 4, ckl 1, J. C. Kriner; hen 3, ckl 1, W. A. Smith; ckl 3, pul 3, Geo. Burn. **BUFF-LACED POLISH:** Ck 1, hen 1, C. T. Cornman; hen 2, J. M. Mehring. **WHITE POLISH:** Ck 1, ckl 1, pul 1, Geo. Burn; ck 2, hen 1, 2, I. S. Miller; ck 3, pul 2, W. B. Sherry; hen 3, W. A. Smith. **LIGHT BRAHMA:** Ck 1, hen 3, ckl 2, pul 3, pen 1, W. A. Smith; ck 2, hen 4, Harvey W. Miller; ck 3, H. A. Shtler; ck 4, W. B. Sherry; ck 5, hen 5, pul 4, C. T. Cornman; hen 1, pul 2, Morgan Stinemetz; hen 2, pul 1, pen 2, J. H. Mehring; ckl 1, J. C. Kriner. **GOLDEN POLISH:** Ck 1, hen 1, C. M. Diffenderfer. **DARK BRAHMA:** Ck 1, hen 2, 3, C. M. Diffenderfer; ck 2, H. A. Shtler; ck 3, hen 5, ckl 2, W. B. Sherry; ck 4, hen 3, ckl 3, pul 3, W. A. Smith; hen 1, ckl 1, pul 4, 5, J. C. Kriner; pul 1, 2, J. H. Mehring.

## TURKEYS

**Slate:** Tom 1, hen 1, Chas. McClave; tom 2, J. C. Kriner; tom 3, hen 2, W. A. Shafer. **WHITE:** Toms 1, 3, hens 1, 3, young toms 2, 3, young hens 2, 3, L. S. Dayhoff; tom 2, hen 2, M. B. Sisson; young tom 1, young hen 1, Chas. McClave. **BUFF:** Tom 1, hen 2, W. A. Shafer; tom 2, hen 1, Chas. McClave. **BRONZE:** Tom 1, hen 1, F. G. Zimmerman; young tom

1, young hen 1, Chas. McClave. **BLACK:** Tom 1, hen 2, Chas. McClave; toms 2, 4, hens 1, 3, young toms 1, 2, young hens 1, 2, B. F. Jones; tom 3, W. A. Shafer. **NARRAGANSETT:** Tom 1, hen 3, M. B. Sisson; tom 2, hen 1, young tom 1, young hens 1, Chas. McClave; tom 3, hen 2, W. A. Shafer.

## GEESE

**TOULOUSE:** Ganders 1, 2, geese 1, 2, J. C. Kriner; gander 3, goose 3, young gander 1, young goose 1, Chas. McClave; gander 4, goose 4, Geo. Burn; gander 5, young gander 2, Mrs. R. J. Farrar. **EMBDEN:** Gander 1, goose 1, young gander 1, young goose 1, J. C. Kriner; gander 2, goose 2, young gander 2, young goose 2, Geo. Burn; gander 3, goose 3, young gander 3, young goose 3, Chas. McClave; gander 4, goose 4, Mrs. R. J. Farrar. **A. O. V.:** Ganders 1, 2, geese 1, 2, young gander 1, young goose 1, W. A. Smith, young gander 2, young goose 2, J. C. Kriner. **SNOW:** Gander 1, young gander 1, W. A. Smith. **AFRICAN:** Ganders 1, 2, geese 1, 4, J. C. Kriner; gander 3, goose 2, Geo. Burn; gander 4, goose 3, young gander 1, young goose 1, Chas. McClave; young gander 2, young goose 4, W. A. Smith; young gander 3, young goose 2, W. A. Shafer; young gander 4, young goose 3, W. B. Sherry. **EGYPTIAN:** Gander 1, 2, geese 1, 2, young gander 2, young goose 2, W. B. Sherry; young gander 1, young goose 1, W. A. Smith. **WILD:** Gander 1, goose 2, young gander 2, young goose 3, Geo. Burn; gander 2, young goose 3, young gander 5, young goose 1, W. A. Smith; gander 3, goose 1, young gander 3, J. C. Kriner; young gander 1, young goose 2, W. B. Sherry; young gander 4, Chas. McClave. **BROWN CHINA:** Gander 1, goose 2, young gander 2, young gander 1, J. C. Kriner; gander 2, goose 1, young gander 3, young goose 2, W. B. Sherry; gander 3, goose 3, Geo. Burn; gander 4, W. A. Shafer; gander 5, goose 4, young gander 3, young goose 3, Chas. McClave. **WHITE CHINA:** Gander 1, goose 2, young gander 1, young goose 2, J. C. Kriner; gander 2, geese 3, 5, young ganders 2, 5, young geese 1, 4, W. B. Sherry; gander 3, Geo. Burn; gander 4, W. A. Shafer; gander 5, goose 4, young gander 3, young goose 3, Chas. McClave; goose 1, young gander 4, E. L. Tallman.

## DUCKS

**PEKIN:** Drakes 1, 3, ducks 1, 3, young drakes 1, 3, young ducks 2, 3, 4, pen 1, L. S. Dayhoff; duck 2, duck 2, young duck 2, young duck 1, pen 2, Eugene Sites; drake 4, W. A. Smith; drake 5, duck 4, J. E. Weaver; duck 5, young duck 4, E. L. Tallman. **AYLESBURY:** Drake 1, duck 2, young duck 3, young duck 1, J. C. Kriner; drake 2, duck 3, young drakes 1, 2, young ducks 2, 3, W. B. Sherry; drake 3, duck 1, Geo. Burn; young drake 4, W. A. Smith. **CAYUGA:** Drake 1, duck 3, young drake 1, young duck 3, Chas. McClave; drake 2, duck 1, young drake 3, young duck 1, W. B. Sherry; drake 3, duck 2, W. A. Smith; young drake 2, young duck 2, J. C. Kriner. **ROUEN:** Drake 1, duck 2, young drake 1, young duck 2, Chas. McClave; drake 2, duck 3, young drake 3, young duck 1, J. C. Kriner; drake 3, duck 1, young drake 2, young duck 3, W. B. Sherry. **INDIAN RUNNER:** Drake 1, duck 1, young drake 1, young duck 2, J. C. Kriner; drake 2, duck 3, Geo. Burn; drake 3, duck 2, W. B. Sherry; drake 4, duck 4, young drake 3, young duck 1, E. L. Tallman; drake 5, duck 5, young drake 2, young duck 3, W. A. Smith. **COLORED MUSCOVY:** Drake 1, duck 2, young drake 1, Chas. McClave; drake 2, duck 5, young drake 4, young duck 2, W. A. Smith; drake 3, duck 1, young drakes 2, 3, young duck 1, W. B. Sherry; drake 4, duck 3, W. A. Shafer; duck 4, young drake 5, young duck 3, E. L. Tallman; pen 1, McCormick & Campbell. **WHITE MUSCOVY:** Drake 1, duck 1, young drake 2, young duck 2, Chas. McClave; drakes 2, 4, ducks 3, 4, J. C. Kriner; drake 3, duck 2, young drake 5, young duck 3, E. L. Tallman; drake 5, young drake 4, young duck 4, W. A. Smith; duck 5, young drakes 1, 3, young duck 1, W. B. Sherry. **BLUE SWEDISH:** Drake 1, duck 2, young drake 3, young duck 2, pen 1, Eugene Sites; drake 2, duck 1, young drake 2, J. C. Kriner; drakes 3, 4, young drake 4, young duck 3, E. L. Tallman; young drake 1, young duck 1, W. A. Smith. **CRESTED WHITE:** Drake 1, duck 4, young drake 2, young duck 1, Chas. McClave; drake 2, young drake 4, young duck 2, J. C. Kriner; drake 3, duck 1, W. A. Shafer; drake 4, young drake 3, young duck 3, W. B. Sherry; drake 5, duck 5, young drake 4, young duck 2, W. A. Smith; duck 2, young drake 3, young duck 4, young duck 5, pen 1, Eugene Sites; drake 5, duck 2, young drake 3, young duck 4, W. A. Smith; duck 4, young drake 5, Geo. Burn. **WHITE CALL:** Drakes 1, 3, ducks 2, 3, young drakes 3, 4, young

(Continued on page 26)

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## Shows and Their Dates



WE ARE informed by Secretary L. C. Capewell, of Winsted, Connecticut, that the Winsted people will hold a score-card exhibit during the week of December 11. Every one is invited to send their birds to this show. Many hundred dollars in specials are offered. Messrs. Graves, Card and May will place the awards.

The Norwich and Eastern Counties Association, of Norwich, England, are putting forth an extra effort to have exhibitors from this country show with them. Mr. F. R. Eaton, of Norwich, England, is the chairman of this association. Mr. D. C. Peoples, of Uhrichsville, Ohio, will gladly answer all communications relative to this great show that may be sent him by American fanciers. Fifty judges have been engaged to place the awards. More cash specials will be offered here than have ever been thought of in an American show. It aggregates £2,000. Classes will be made for almost every known breed or variety of fowls. Besides the communication from Mr. Peoples, we have a letter from Mr. Eaton asking that we present this matter in the columns of THE FEATHER. It might be well for American fanciers to take this matter up looking to the improvement of sales of American breeds in that country. Wyandottes and Plymouth Rocks are highly considered in that locality.

Secretary Babcock, of the American Leghorn Club, sends notice that there will be offered \$150 in cash specials by this club at the coming New York Madison Square Garden Show—\$3 for firsts, \$2 for seconds on each cock, hen, cockerel and pullet on Single- and Rose-combed White Leghorns, Single- and Rose-combed Brown Leghorns, Single-combed Buff Leghorns, Single-combed Black Leghorns; \$5 for the best and \$3 for the second-best display of Duckwing Leghorns. Members to compete for the above specials must be in good standing.

Secretary Roberts writes us that the prospects of the coming Boston Show are

more flattering than ever before. A large number of special prizes have been offered by clubs and associations. The Boston management will offer the usual number of cash specials. The week of January 15 will be a great time for poultry fanciers of the world, who will gather at the Hub.

The eleventh annual show of the National Fanciers and Breeders' Association will be held in Chicago during the week of January 23 next. Conditions are more promising than ever before for a successful exhibition. Secretary F. L. Kimmy will answer all inquiries relative to same addressed to him at 325 Dearborn Street, Chicago.

## Awards at Hagerstown

(Concluded from page 25)

ducks 1, 4, W. B. Sherry; drake 2, duck 1, young drake 1, young duck 3, W. A. Smith; young drake 2, young duck 2, Chas. McClave. DECOY: Drake 1, duck 1, young drake 2, young duck 2, J. C. Kriner; drake 2, duck 3, young duck 3, W. A. Smith; duck 2, young drake 1, young duck 1, H. A. Shetler. ORNAMENTAL: Drake 1, duck 1, W. A. Smith; young drake 1, young duck 1, A. J. Braun. A. O. V.: Drakes 1, 3, ducks 2, 4, W. B. Sherry; drake 2, young ducks 1, 4, young ducks 2, 4, W. A. Smith; drake 4, duck 1, young ducks 2, 3, young ducks 1, 3, 5, J. C. Kriner.

Best general exhibit poultry, 1st, W. B. Sherry; 2d, Geo. Burn. Largest and best display bantams, 1st, W. A. Smith; 2d, W. B. Sherry. Largest display aquatic class, 1st, J. C. Kriner; 2d, W. B. Sherry. Largest and best display pheasants, W. A. Smith. Largest and best display pet stock, W. A. Smith. Best White Wyandotte ck, ckl, and pul, Rock Hill Poultry Farm; hen, O. E. Remsen; pen, Rock Hill Poultry Farm. Best display Plymouth Rocks, Rock Hill Poultry Farm; Wyandottes, Rock Hill Poultry Farm; Orpingtons, Chas. McClave; Brahmas, C. P. Nettleton; Cochins, A. W. Rudy & Son; Langshans, F. G. Bean; Leghorns, F. I. Bennett Poultry Farm; Minorcas, Henniger & Shinabrook; A. O. V. Mediterranean, Chas. McClave; Polish, Wm. G. Minnich; Hamburgs, W. B. Sherry; French, Geo. Burn; Dorkings, Geo. Burn; Standard Games, W. B. Sherry; Indian Games, tie, R. D. Relder and W. J. Young; Miscellaneous, Geo. Burn; Game Bantams, C. T. Cornman; Cochins Bantams, W. A. Smith; Sebright Bantams, F. G. Bean; Rose-combed Bantams, Chas. McClave; Japanese Bantams, C. T. Cornman; Brahma Bantams, W. A. Smith. Best white chicken in show, O. E. Remsen; best black chicken in the show, Chas. McClave; best Light Brahma ck, hen, ckl and pul, for John L. Cost cup, won second time by C. P. Nettleton, of Shelton, Conn.

Best display turkeys, Chas. McClave; geese, J. C. Kriner; Pekin ducks, L. S. Dayhoff; ornamental ducks, W. A. Smith; Swedish ducks, Eugene Sites; A. O. V. ducks, J. C. Kriner. Best incubator in operation and hatching, Prairie State Incubator Co.

## MISCELLANEOUS

County Line Poultry Farm Barred Rocks and Buff Leghorns again winners, Lockport, N. Y.; 1 entry Barred Rocks, 2d pen; Buff Leghorns, 2d cock, 2d hen, 1st, 2d and 3d cockerels, 1st, 3d and 4th pullet, 1st pen; Auburn, N. Y., 2d and 3d cockerels, 3d, 4th and 5th pullets, 1st and 3d pens. Send for catalogue of matings. Address, A. G. BARLOW, Box A, Barker, N. Y. tr

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Choice Homers and Fantails, All Colors, Bantams, Plain and Bearded Polish, Golden and Silver Sebright, Black and White Rosecomb, Buff, Black, White and Partridge Cochins. I. S. MILLER, Allentown, Penna. 12-2

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Rose Comb Rhode Island Red, Golden Wyandotte and Buff Rock Cockerels. Pure bred, healthy, vigorous and win wherever shown. Twenty choice Buff Rock Females. Prices reasonable. D. R. STOUT, McLean, N. Y. 12-3

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Special 30-day Sale.—Standard-bred Poultry, Game and Ornamental Bantams. Prices and quality right. Write your wants and send for special price list, also Turner's Bantam Book, fully illustrated; price, 25 cents. PLEASANT VIEW FARM, Horseheads, N. Y. 12-4

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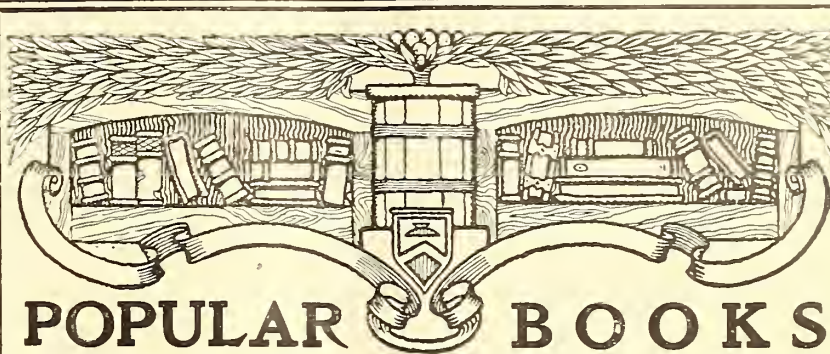
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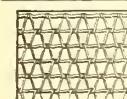
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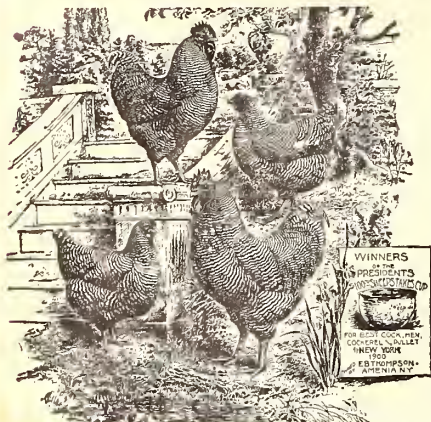
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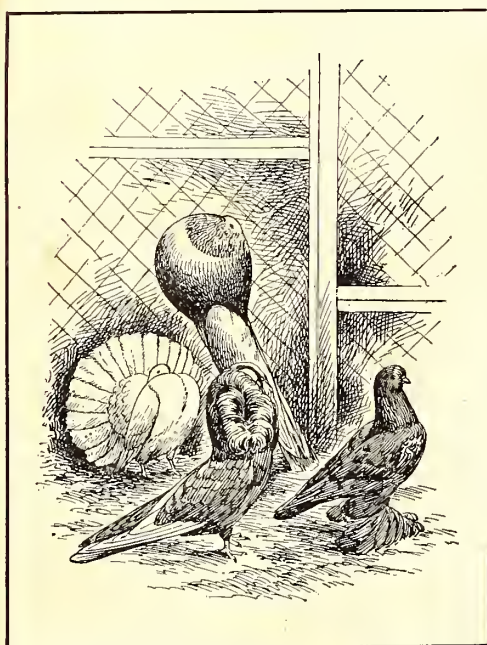
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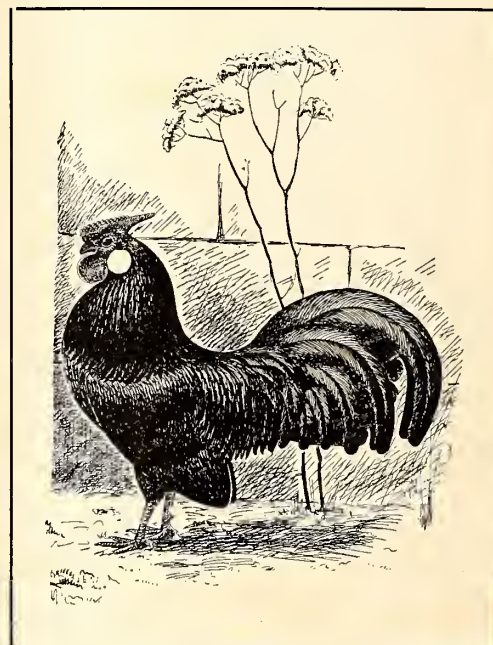


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December, 1906



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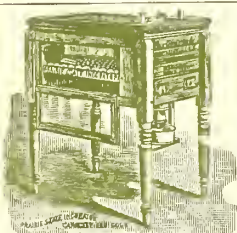
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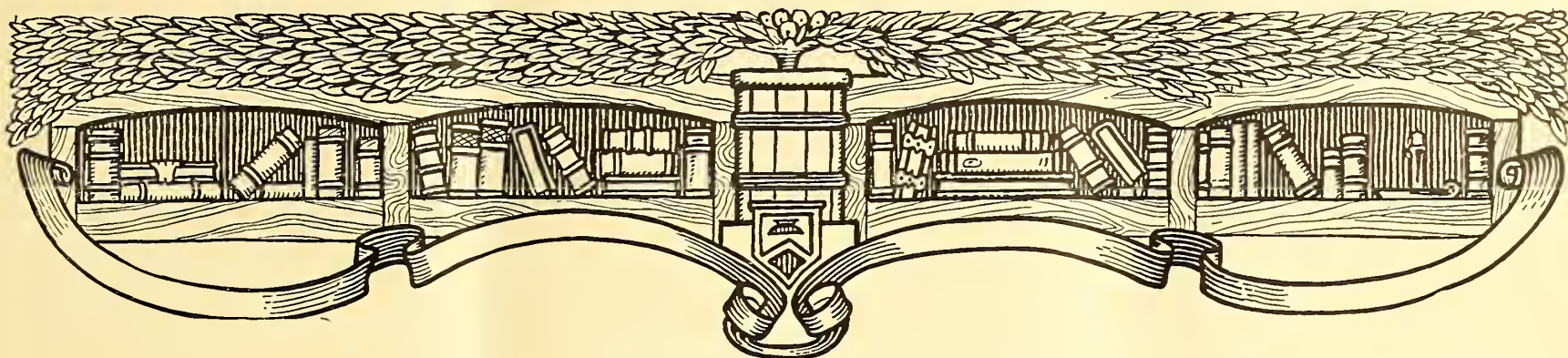
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## Valuable Information

## SHOP TALK

## Our Illustrations



OUR Thanksgiving Number was a work of art. Complimentary expressions come from every side. Turkey was to the front for November. This month the Christmas goose holds sway, side by side with the stately Brahma and the native Sussex fowl of England. These three articles alone are well worth double the subscription price to any one interested in poultry. Mr. Hepburn is one of the foremost fanciers of England and an expert in his line. He, with Mr. Wharton, sends for our readers the most interesting news and information from the standpoint of the successful breeder.

The cover illustration of the Brahma pullet portrays to a nicety real true quality as it exists, not as we would have it appear, but as Mr. Nettleton truly has it in his flock. Such object lessons tell to the world plainer than words just what can be done along the line of beauty and elegance of finish in producing beautiful show specimens in a flock that has a reputation for paying its way as the result of a prolific egg production.

How eggs are graded was fully presented and beautifully illustrated in the November issue. The art of having more fertile eggs and how to properly feed for best results was told in our series of articles on "Science of Breeding." Coupled with these the article on "Two Popular American Varieties" gives you a world of information that can scarcely be found within the cover of a single book on kindred subjects. In the January issue we hope to tell of the White Wyandotte and to illustrate its history for the past eight years. All who are interested in the White Wyandotte should tell their friends what is in store for them and urge them to become one of THE FEATHER family.

## Winter Shows

Next month brings to our door the pleasant task of telling our readers of the several large winter shows. There will, however, be an overflow from the fact that the seven largest will be held during the first twenty-seven days of the month making it impossible to give a report of all. We shall, however, do the best we can along these lines, so that our readers may be told the points of interest in each.

We should like to have a live, active agent at each of the smaller winter shows. One who could take subscribers for THE FEATHER and send a short report of the show. This is a pleasant pastime for any one who can show up the true merit of the paper and explain its value to the reader.

## A Christmas Gift

AT THIS season of the year everyone is thinking of a suitable present for some friend. The idea has occurred to us that THE FEATHER would be a most acceptable Christmas gift, being a monthly reminder of your thoughtfulness. We would suggest that you try the plan this year of sending THE FEATHER to some one of your family or friends, whom you know to be interested in Poultry and Pigeons, and we feel confident the present will be more than appreciated.

A very pretty card, similar to the one printed below, will be sent in your behalf, announcing the gift. We would ask that you write plainly the name and address of the person to whom you wish the magazine sent, enclosing 50 cents for each subscription. If you wish to subscribe for a number of your friends, please be careful that all the names and addresses are enclosed in the letter in which you send the money, so that they will surely get the card on Christmas Day announcing your gift.

Sincerely yours,

**The Howard Publishing Company**

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WASHINGTON, D. C.



The Light Brahma illustration used in this issue come from C. P. Nettleton.

None of them were specially posed. All are of working flocks that pay their own way in eggs, market poultry, and prize awards. Our purpose is to illustrate nature as well as the ideal, as shown in the Toulouse and Embden geese, both of which are made from photos taken in England of Crystal Palace winners. These, side by side with halftone illustrations made direct from photographs of working specimens, present to our readers both sides of the proposition and a study in nature and art.

Those interested in our methods of illustrating are requested to send to this office well executed photographs of small flocks or single fowls. We use those most likely to show the value of the fowl and which will advance their welfare, knowing that publicity of this character helps everyone who grows the kind illustrated. We are thus lending our aid to benefit the greatest number. We are prompted to continue this because of the hundreds of complimentary letters and personal expressions of approval that come to us from unexpected sources. Among these, and most complimentary of all, came one from the office of one of Chicago's greatest daily journals. When a magazine of this kind attracts attention in such unexpected places is it to be wondered that poultrymen are pleased? We hope to surpass each issue by the one that follows. "Only half begun" does not quite express the situation. "Not fairly started" better expresses the true condition of what we hope to do in the way of more attractive appearance and the quality of information in our pages. To tell what you want to know is our determined purpose. We welcome your requests for articles on subjects most attractive to you. Tell us what you wish us to write about and we will do our best in response.

## One Special Feature

Nowhere outside of the columns of THE FEATHER can be found the special series of articles on "Science of Breeding." These will be continued and must become more interesting as each number is printed. In October we gave valuable data on "Proper Feeding" and "How to Grow White Plymouth Rocks of Quality." In the January issue will come the article on "White Wyandottes," and we shall from time to time extend to each specialty club the courtesy of having the breed or variety to which they cater represented in our pages, not, however, to the exclusion of all else. Our special interest lies with the whole fancy, combined with the right of the subscribers.



Mr. \_\_\_\_\_

REQUESTS  
THE HOWARD PUBLISHING COMPANY  
TO ANNOUNCE TO YOU THAT  
THE FEATHER WILL BE SENT TO YOU FOR  
ONE YEAR, COMMENCING WITH  
THE NEXT ISSUE.

THE PUBLISHERS BEG TO JOIN THE DONOR IN THE HOPE THAT  
THE RECIPIENT OF THE TWELVE NUMBERS WILL RECEIVE  
FROM THEM THE SAME ENJOYMENT THAT  
PROMPTED THE GIFT.

To \_\_\_\_\_





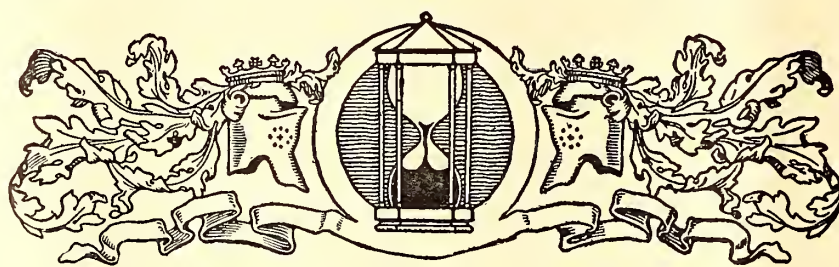
NOT being able to control the mechanical portion of our office, we could not foresee the misfortune which upset all calculations and delayed the November issue of *THE FEATHER*. Although the repairs were made as speedily as possible, they could not be finished in time to make it possible for us to mail the November number on time, amends for which has been made in the issuing of the December number.

As we go to press, the show season is in full operation. Never was there known to be so many local exhibitions scheduled as are to be held the coming winter. The first of all, the great fall display was pulled off at Hagerstown, where the largest number of fowls ever gathered in that locality were exhibited in October. Among the many hundred exhibits of the year, none seems to have equal interest with that of the New York or Madison Square Garden Show, which will be held the first week of January. The entries to the open classes in this event have been advanced to \$3, an equal increase being made in the cash awards.

The week following the Madison Square Garden Show comes the meeting at Auburn of the American Poultry Association in connection with the display of poultry to be held during the same week. Mr. F. E. Dawley, in charge of the Farmer's Institute work of the Empire State, has promised great attractions along the line of a poultry institute to illustrate the great work being done for the interest of poultry in the Empire State.

The week following the Auburn show comes the great Boston show. This is the great poultry event of the year for the people of New England, where undoubtedly some of the best poultry ever produced is grown. The Boston show never wants for entries. Large amounts of cash in regular and special prizes are distributed there each year, and poultry is sent to this exhibit from throughout the entire United States and Canada. The show at Cincinnati will be held the same week as the Boston exhibit. The week following the Boston show, beginning January 22, will open the poultry show in the National Capital. The fanciers of Washington are well organized, and from all appearances they are certain to have a record-breaking exhibit of poultry during the week of January 22. This same week, beginning the 23d of January, and continuing to the 30th, will be held by the National Fanciers' Breeders' Association of Chicago, the Eleventh Annual Exhibition. The secretary, Mr. Fred L. Kimmey, informs us that all factions have become reconciled and that the coming Chicago exhibition is almost certain to be the greatest one ever held in the West.

We wish to acknowledge the courtesy of Miller Purvis, editor of *Poultry*, who furnished us the original photograph from which was made the half-tone of Messrs. Betts, Howard, and Ewald used in our November issue in the description of the Hagerstown fair. We have also received from L. B. Derby, Wake Forest, W. Va., a photograph of his youngster, who is undoubtedly the youngest fancier in the country, being but twenty months old and the care-taker of a flock of ducks and young Orpington chicks. The photograph of the Homing pigeon from the Passaic



## THE FEATHER

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GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

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### Wishing You a Very Merry Christmas



This is The Feather's twelfth Christmas Greeting to its many readers. It is now a season when gladness and happiness should be with us all, and it is our bounden duty not only to be happy ourselves, but to see that our friends are happy also. The spirit of the time is to give, give that which we can, give good cheer to all mankind, for we all have so much to be happy for. Remember the great gift of Him to the whole world for all time to come, and remember, also, that it is because of this glorious time that we are enabled to be happy at all. The Christmas tide is full of gladness, and every one should throw aside the worries and anxieties of life and be merry for this one day at least. Dear reader, The Feather hopes you will be exceptionally happy this Christmas, and that you will be successful in making others just as happy as you can, that all the promises, hopes, and ambitions you have, will be yours in full measure. May the realization of these thoughts be to your own welfare as well as to others, and may you also have a very Merry Christmas, and a bright, happy, and prosperous New Year.

Squab Company will be used in an early issue.

The winter course in poultry of the Connecticut Agricultural College, located at Storrs, Connecticut, the winter course of the New York State Agricultural College, at Ithica, N. Y., and the same at the Rhode Island Agricultural College at

Kingston, R. I., are announced. All interested in these educational institutions should write at once to these colleges for full information.

In a recent issue of *Poultry* (England) there was shown an illustration of a pair of Cuckoo Leghorns, marked identically the same as the Barred Plymouth Rock.

The description proves conclusively that there has been produced in England some attractively marked specimens of Leghorns, identical in appearance with the Barred Plymouth Rocks. Years ago there was shown in this country some fairly good specimens, known as Dominique Leghorns.

We received a few days ago a communication asking us to tell the readers of *THE FEATHER* of the origin of the Homing pigeon. We have also received a number of requests, asking for information as to the use and the kind of leg band to be used most advantageously on pigeons. Both of these requests will be fully answered in the near future in the columns of this paper. We present this month to our readers both the English and the French method of handling the goose in preparation for the Christmas feast. The illustrations used are furnished by Artists Graham, G. G. Babcock, of Jamestown, N. Y., and Dawson Bros., of Wisconsin.

The past few months' experience with what we term the "NEW ILLUSTRATED FEATHER" has satisfied us that there is a special demand for the kind of a publication such as we are now producing. We have selected a path all to ourselves, without attempting to interfere or contend against others. We feel fully satisfied with the results obtained through our new methods. We wish to thank all who have lent their aid to our efforts in the past and wish them a Merry, Merry Christmas; and while asking them to continue their kindly aid toward our advancement, we also invite every one who may be interested to join with us in pushing forward the best interests of the individual fancier, the small grower, and the large breeder as well. We trust that our combination has proven of benefit to all.

Having been requested by a number of amateur fanciers to present the interest of the White Wyandotte in a manner that would aid in building up and improving them, we have in contemplation the preparation of an article which will give the opinions of many breeders as gathered by us during the past year. Having mentioned the fact that White Plymouth Rocks had been used in crossing with the Wyandottes to improve color, we have been informed within the past few months that several fanciers had made use of Rose-combed White Orpingtons to improve the color of the White Wyandottes, the result being more or less change in the true type of Wyandotte, and changing to a greater or less degree the color of skin and shank in the product thus obtained. All of these matters shall have due consideration in the article when published. This article, as well as those already published in relation to the description of breeds and color demands, belongs to the series of articles being presented under the caption of "Science of Breeding."

In November we were favored with a call from Mr. Shimpei Sato, Vice-president of Japan Poultry Association, Inspecting Commissioner for the Japanese Government. Mr. Sato was in this country studying our manner and method of poultry growing. He was surprised to find that we permitted extensive ranging of the fowls, they confining theirs to small lots or inclosures. Being shown the frontispiece illustration of the Octo-



ber issue of THE FEATHER he said that it was very well done, only in his country the main tail feathers curl over backward and down, and not upright as we have them here. The Wyandotte so far seems to be the preference in that country, as it stands the climate better than others. Mr. Sato intends to carry back with him Wyandottes, Plymouth Rocks, Minorcas, and Leghorns to thoroughly test their qualities in his home country. It is astonishing the interest displayed by this gentleman relative to America and American poultry.

It is to be regretted that the daily press of the country has made prominent a statement that the live stock department of Biltmore Farm would be closed. Under date of November 20, we have a letter from Dr. A. S. Wheeler, of the live stock department of Biltmore Farm, in which he states that they would be greatly pleased at our contradiction of the report that the Biltmore Poultry Yards would be sold out. Also to contradict any rumor of the closing out of the live stock, as Berkshires and Jerseys have never before been in a more wholesome or satisfactory condition. We have visited Biltmore Farm several times in the past few years. In fact, we have been highly honored through having been asked to make some suggestions relative to the management of same. Biltmore is a most beautiful estate. Live stock of all kinds and poultry should become a most profitable portion of the farm. All that is needed is careful attention and business methods applied to handling it as is necessary in all other lines.

Under date of November 20, we received a communication from Editor Purvis of Poultry, containing a clipping from our October editorial page, in which we referred to the forthcoming of their new pigeon paper. Editor Purvis states that they have at the present time 1,361 actual circulation for the new paper, and that the price has been raised to \$1 a year. He states in his letter: "Have not seen THE FEATHER in three months." Query: From whence did the clipping enclosed in your letter come?

The first number of the pigeon paper issued by the Poultry Publishing Company of Peatone, Illinois, made its appearance at Hagerstown. Mr. George Ewald, of Cincinnati, Ohio, is to be the presiding editor of this beautiful publication. If the pigeon fanciers of America will give due recognition and lend their aid to the sustaining of this most creditable magazine, they can have what the pigeon fanciers have deserved for many years, but failed to have through their negligence.

Several of our contemporaries, urged on by the beautiful and attractive cover pages of THE FEATHER, have made changes, some adding lithograph, and other ideal sketch covers as a new dress for the front cover of their magazines. Nothing, however, has attracted so much attention as has the beautiful full-page illustrations made use of as the front cover page to THE FEATHER.

Relative to the question of illustration, we have always opposed making ideal portraits from photographs by embellishing same into ideal perfection. Good photographs, properly enlarged and retouched, may be kept within the bounds of portraits of the specimens represented; this we endeavor to do.

## Notes from England

By JOHN WHARTON



WITH October has come the breath of autumn; for already the leaves on the trees are turning color, the fields have been all cleared of their crops and the trees of the fruit, while the days are so short that we are beginning to feel that a break in the weather may mean the first touch of winter. The migratory birds have left us. I saw a pair of swallows on the 1st, but as I write this on the 5th they are gone. Speaking about bird-life—and I know that all fanciers are interested in birds—one can not but be struck with the large increase in common English birds during the last ten years. Some twenty-seven years ago we had a very severe winter, which killed them off in thousands, but they have now bred up again, and such varieties as the starlings, blackbirds, thrushes and sparrows are to be seen in large quantities.

Summer has been a fine time in England this year—glorious weather and grand crops and from a farmer's point of view with wool higher in price than it has been for twenty years and with sheep and lambs more than a dollar per head dearer, and milk cows selling well; they should be able to stand against the drag in horses, no doubt caused by the motor cars, etc.

The fine weather has also been a blessing to the fancy, as we all know that we must have a fine show day, or that show is a failure. Very few shows have cause to grumble on this score this season. I visited a good many, including Tunbridge Wells, Bridlington, Keighey, Bingley, Royal Lancashire, Birkenhead, and many others, and fine weather has been the general thing. On the whole I consider the English fancy as vigorous as ever it was. True, some of the old ones have left us. One name we shall miss that used to be found in every catalogue where good ducks were to be found. I refer to the late Henry Digby, the man who bred Aylesbury and Runner Ducks to such perfection. His widow has now sold out by auction all her stock and retires from the fancy. A few others have retired, and some have gone from us, taken by the hand of death. We miss them as we gather at the hotel the night previous to the show, and somehow there is a gap that the best beginner can not fill.

Quality at the summer shows on the whole has been good, and we shall expect to see some of those youngsters still holding premier position at the Dairy Show next week. When should a chicken be hatched to be in full bloom at the Dairy Show, the second week in October, I am often asked. From experience I say no better date than February 14 could be given. If you have them earlier they molt and are no good except for a few of the very early shows, and go off before the really important ones come around.

The best piece of news I have heard for a long time, and the most important even in the fancy, is the fact that the International and the Crystal Palace

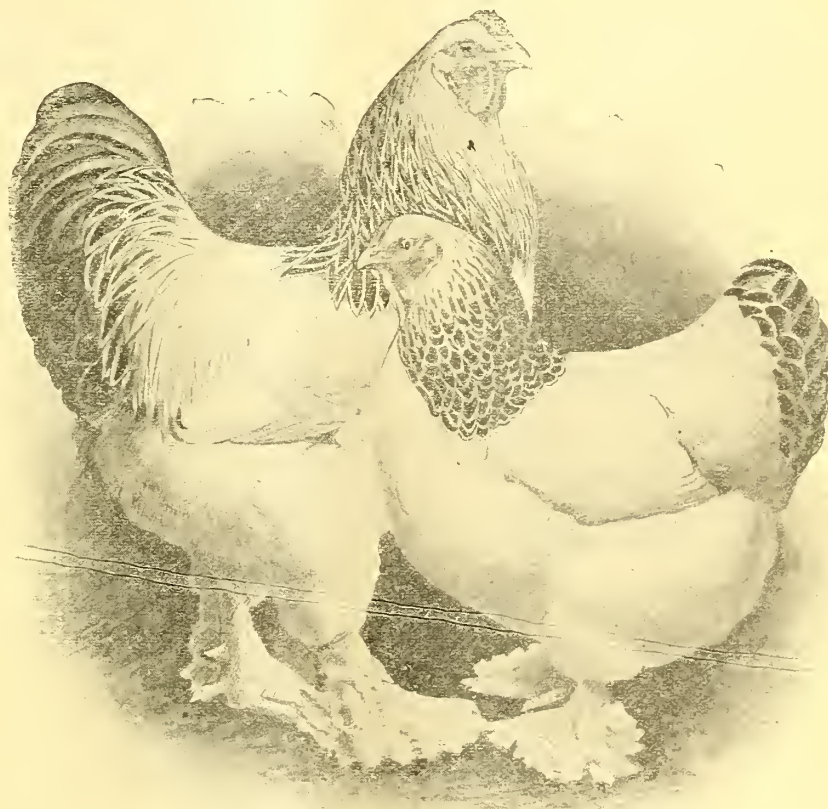
people have come to a friendly understanding, and in future we shall have one big show, and that at the Crystal Palace, the best place in England for a show. Mr. Thornton and his committee are to be highly complimented in the way they have gone about the whole matter, for I am certain that they have acted in the best interest of the fancy in all they have done. A meeting is to be held at the Dairy Show of all interested in this great show, and I trust Mr. Thornton may have some right roval support given him to make it, as he wishes to make it, the finest show in the world.

The bantam world are continually adding to their varieties—some varieties that have but a short existence and very few supporters—but the latest additions,

parts of Norway. Beautiful scenery, but nothing in the poultry fancy up there. I met several Americans who were over to witness the Midnight Sun, and I had long chats with them about your wonderful land, and aboard our yacht on the Fourth of July we had among our dainties Washington pudding served with independence sauce in their honor.

## Poultry in Texas

We are just in receipt of a letter from Richard Bowlanger, of Newington post-office, Virginia, who says in reply to the appeal from Texas for aid against the ravage of bowel trouble in young chicks that he has tried very carefully a preparation called "Mrs. Johnson's Compound." The use of this with one hundred thirty Single-combed Brown Leghorn chicks resulted in the death of none, and no bowel trouble. It was used during the very hot weather of last season. In another lot, which did not have any of the medicine, more than half of the chickens died. The remedy offered,



TWO BEAUTIFUL LIGHT BRAHMAS

viz., Partridge and Silver-penciled Wyandottes, are, I feel certain, come to stay. It is wonderful how in some three seasons' breeding what respectable specimens were turned out at Bingley Show. Classes were provided for them, neither were they all in one breeder's hands, but were owned by several different fanciers. After this show I had several applications for extra-small Wyandotte hens for crossing, to obtain the bantams. May they all succeed!

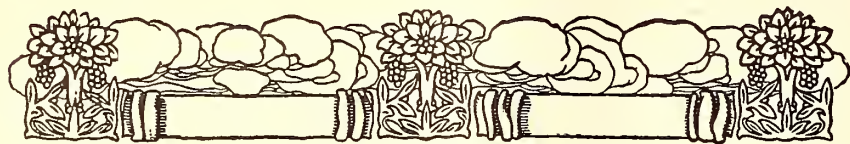
Lately there has been a burst of enthusiasm for Black Wyandottes, and now is the chance of breeders in the States who may have this variety to put them on the English market.

Since writing my last notes I have been up North visiting the most northerly

we believe, is a very old remedy, for sale by the poultry supply houses, and while we do not often elaborate on the use of such preparations, we know that Mr. Bowlanger is fully able to give honest experience along these lines, and that he would not recommend to a brother fancier anything not suitable for the purpose. He states in the letter that if this information will help the Texas friend another season in keeping out of trouble with his young chicks he will be more than repaid.

"I am much pleased with the originality and style of The Feather. May want space in a month or two. Wish you would send copies to the following sixteen names."—Oscar Wells.





## The Buff Cochin of To-day



**F**IRST of all, we will have to admit that the Buff Cochin is principally a "fancier's fowl." But I wish to impress upon the reader's mind that it is not altogether fancy by a good deal. I have had Buff Cochins pullets that in their first year have laid as many eggs as any Leghorn, and I have had others that, of course, did not do as well.

The old saying that a scratching hen lays the eggs I have found to be the truth. I believe that a Cochin hen should be made to scratch a little just the same as the rest of them, and I also think that a scratching shed is one of the best additions that was ever put onto a hen-house, for when the cold, bleak, snowy days of winter come, they need a scratching shed to keep them busy, so that they may keep warm and happy, thereby increasing the egg production. It is necessary to keep Cochin hens working a little, as they will get too fat, which is sure to decrease the egg yield. Cochins are naturally a little bit on the lazy order, but why should that be charged up against them as a fault, for by not running around so much as some of her cousins, she also requires less feed, and when fed the right kind of material in the right way it will mostly go into the egg yield, as it does not require all you feed to keep up her general condition.

Some people object to the Buff Cochin on account of the leg and foot feathering, and, when asked the reason, state that it looks bad when they are running around in the snow and mud in bad weather. Well, I want to state right here, and I think most of the readers of this small article will agree with me, that the man who wants or lets his chickens, feathers or no feathers, run around in the snow and mud is a mighty poor manager, as this can be easily overcome by providing the scratching shed for just such kind of weather.

For a town lot, I believe the Buff Cochin can be raised more successfully than any other chicken. They are not all the time running around the fence trying to get out, and more can be raised on the same amount of ground than some of the smaller breeds, as they are always contented wherever you put them. A fence three or three and a half feet high will easily confine either old or young fowls of this breed. I think this one item alone must be an important factor with our friends, for it is undoubtedly a lot of satisfaction to know that when you put your fowls into a pen they will stay and not be a menace to your neighbor's garden, thus causing trouble with those who do not keep fowls.

For winter egg production the Buff Cochin is one of the best. They need no poles to roost upon, but bedded down upon straw they keep warm, and their combs are not so apt to get frozen, and they are not liable to get colds or croup as the draft, if there is any, usually passes over their heads. I have always argued that when it comes to egg production there is particularly no best breed, for all hens are created to lay eggs,

but, of course, different breeds suit different conditions, and all you have to do is to bring about the condition that best suits the breed you handle, and then I think the problem will be about solved. Of course, we hear upon all sides that the Leghorn is the best for egg production, but I think the reason for this assertion is the Leghorns require little or no attention. They are thrifty and look out for themselves. I suppose you could take a dozen Leghorn hens and turn them loose in the woods for a while without any food

and would get a few eggs, but put them up in close confinement and see how many eggs you get unless you feed them well. On the other hand, the Buff Cochin comes under the opposite condition. They will lay more eggs in confinement than if they were given the range of a hundred-acre farm. I will admit that if a man must raise chickens and has not much time to give to them, he had better raise some other breed. But, on the other hand, if he will give his Cochin hens a little time and care the results will be highly satisfactory.

The Cochin hen is naturally gentle and makes the best of mothers, and, I think, the Buff Cochin as bred to-day is away ahead of those we had ten years ago, both in shape, coloring and feathering. This is bound to produce more admirers of this grand old fowl which has helped to furnish new blood in the development of many new breeds we have now.—Edgar H. Swain.

## Ailments

We very much regret receiving the information a short time ago that ducks were afflicted with an ailment much like canker in pigeons and poultry. The description of the disease sent to the plant for a remedy states as follows: "First noticed their eyes were sore, and they could not get their breath very well; the little holes in their bills were closed; looking down their throats, discovered a small yellow growth on their windpipe. This seemed to smother them to death. Out of forty have but eleven left."

Can this be roup, or is it simply a cold and an affection of catarrhal trouble in the throat? We have always thought that water-fowl were almost immune from diseases of this kind. If any of our readers are fully equipped to write relative to such ailments in ducks, we would welcome an article from them, to be published for the benefit of our readers.

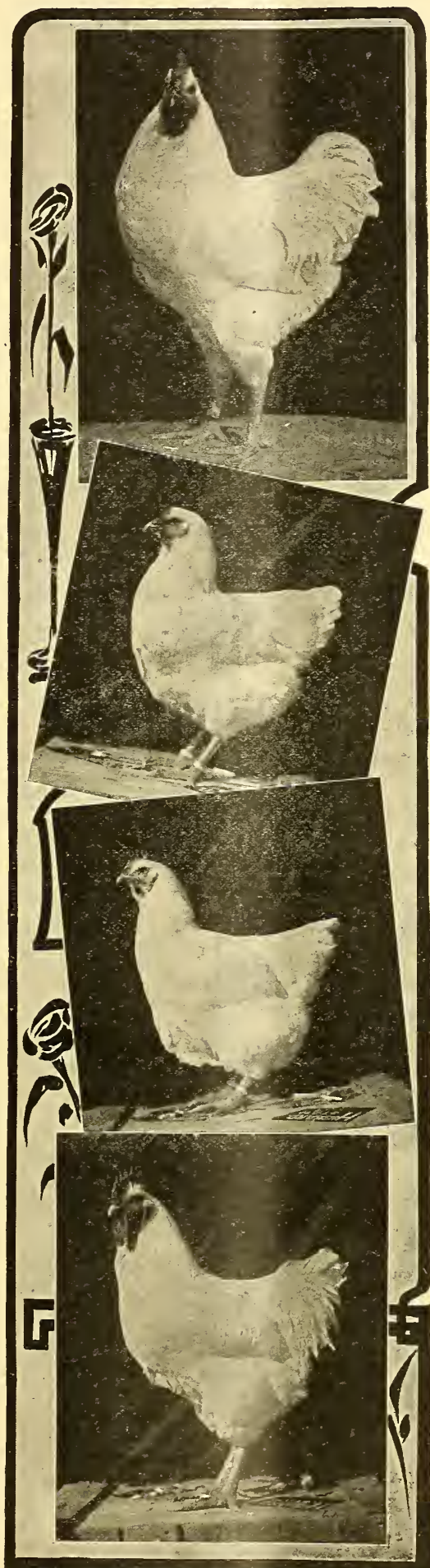


OWNED, BRED BY  
E. B. THOMPSON AMENIA, N. Y.

### RINGLET BARRED PLYMOUTH ROCKS

Winners of the American Plymouth Rock Club's Special Prize for Best Pen Mated to Produce Exhibition Cockerels, at Madison Square Garden, New York, 1906. Owned, Bred and Exhibited by E. B. Thompson, Amenia, N. Y.





## U. R. Fishel's New Catalog

is now off the press and should be in the hands of every one interested in poultry and especially White Plymouth Rocks, the most beautiful and profitable of all varieties of fowls. This Catalog contains 56 pages of valuable information, **FOUR FULL PAGE COLOR PLATES**—the most beautiful White Plymouth Rock color plates ever published; tells how to mate and score White Plymouth Rocks; how and what to feed; how to rear chicks; in fact everything the writer has learned in thirty years experience in breeding Fancy Poultry is published in a straight forward manner. Describes fully "Fishelton," the largest specialty poultry farm in the world. Over one hundred half tones of the finest White Plymouth Rocks ever bred and exhibited by U. R. Fishel, in fact this is

### The Finest Poultry Catalog Ever Issued

Send 2 DIMES (twenty cents) for a copy, worth dollars to any one in the poultry business no matter what variety you are handling, but every one interested in White Plymouth Rocks should have a copy. I have **FOR SALE** this season over **TWELVE THOUSAND** U. R. Fishel White Plymouth Rocks, the best I ever reared; all farm raised and strong, husky birds. As I will not exhibit any this winter, I am in position to furnish **EXHIBITION BIRDS** that will win those coveted prizes for you. Selected **BREEDERS** in any numbers; **COCK-ERELS**, the best ever offered by any one; **UTILITY FLOCKS**, any size you desire. All of them combine the rich blood lines that has made the U. R. Fishel White Rocks **"THE BEST IN THE WORLD."** Remember I am in position to give better value for your money than you can get anywhere. Write me and send for **NEW CATALOG** (2 Dimes).

EGGS { \$ 8 per 15  
\$15 " 30  
\$25 " 60

**U. R. FISHEL**

**BOX F, HOPE, IND.**



## Some English Winnings

It is a pleasure to announce that Mr. R. L. Hutchings, at the late Crystal Palace Show, won highly commended on Buff Plymouth Rock cock bird, eight shown and fourth on hens in a class of nine. The Feathered World state of this "entry grand shape and size, not so

sound in color." On White Plymouth Rock cock bird, fourteen shown, Peapack Farm wins second on hens, fifteen shown, first goes to Peapack Farm. The Feathered World states of this "entry grand size and shape, pure in color, capital head and legs, well shown." These gentlemen are to be congratulated on their good fortune.

## Our Illustrations

Our illustrations are made representing certain breeds and varieties. These are made from fowls in all kinds of positions, so as to have them as naturally represented as possible, and at the same time removing the defects of the camera without overstating actual conditions.

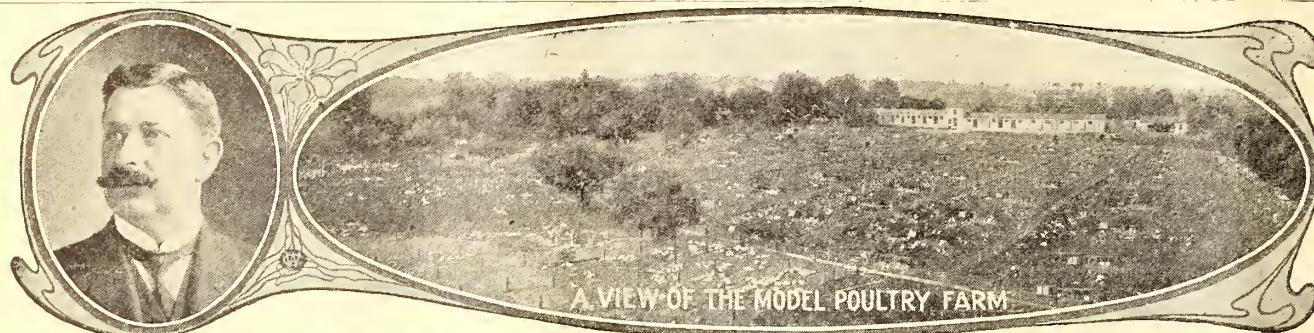
## Hints to Beginners



THE fall fairs are now over and among those I attended I found many beginners in the poultry business. There were a few who made their first exhibit, and while some succeeded in capturing a few prizes, others won nothing, and, as a result, were discouraged, as is the custom with beginners when they do not win everything in sight. This is a very serious mistake and looks to me nothing less than foolish. When a beginner exhibits his stock for the first time, he should surely not win the bulk of prizes when he has to compete with men who have been "at it" for twenty-five years. He should be thankful to get any prizes at all without expecting everything. One must remember that where competition is strong, every one can not win, and the breeder who has been breeding his favorites a quarter of a century stands a better chance of winning than a beginner, although this is not always the case. Don't get discouraged if you fail to win the first few times. The most noted breeders and exhibitors met with failures, but they stuck to it when the weather "looked cloudy" as well as when the sun shone. They did not get discouraged and change breeds or sell out every time a dark cloud hung over them. If they had they would have still been at the bottom. The poultry business requires lots of "sticktoitiveness." Success seems to come slow with me, but if I keep at it it still keeps coming a little more, and if I keep at it long enough it will come galore.

To those of you who made a start last year I want to ask what you are going to do with your surplus stock if you have any. Sell it to the huckster? Not much. Place a small ad in some reliable poultry paper like THE FEATHER, tell people what you have and what you want for it. Unless you have a large amount of stock it will not be necessary for you to use a great amount of space. A medium-sized breeder's card will probably sell your stock. When you get inquiries asking for prices and particulars, then the paper has done its part, and it is up to you to make the sale. Don't ask too large a price for your stock. A medium price is sufficient. On the other hand, don't price your stock down low, as breeders and buyers will think it of inferior, cheap quality and not buy.

To those who are wondering what breed or variety to select I would advise them to go to some poultry show or fair if they do not know anything about the different varieties, as they can see them at a show and decide which are their favorites. It is almost foolish to ask a breeder what variety is best, as he will surely tell you that his variety is best. I just finished reading an article on Rhode Island Reds, in which the author stated: "Most all breeds have some good points, but the Rhode Island Reds have all of them." This is certainly a very false statement. I am sure such false and incorrect statements do the breed no good. Breed the variety you like best, as you will do best by it. There is no breed that has all the good points. Some are better in one particular, while some others excel in another point. They are all good or they would not be kept. There is room for all. Choose your variety and jump in. After you have made your selection don't be changing all the time, but stick to it.—Plumber McCullough.



A VIEW OF THE MODEL POULTRY FARM

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**Constitute an Equipment that will Enable You to  
Make Your Poultry Business a Financial Success.**

Whether you want a small poultry business or a large plant, you want it to be a commercial success. You want the best equipment and the best advice you can secure. What you attempt to do, do right! In any business, the best tools are necessary to success. In the purchase of your equipment, you may save on the first cost by buying low grade incubators and brooders; but your experiment will show a loss not only in the price of the machine, but in the wasted eggs and the entire loss of the season.

The Model Incubators and Brooders are the cheapest equipment for the amateur or for the expert, because their use makes success possible.

The success of the big Model Poultry Farm is in the greatest measure due to these real hatchers and real chick mothers. Here we raised over 20,000 head of poultry in six months from the time the Farm was bought. Twelve thousand chickens were raised in Model Colony Brooders. This means more chickens were raised in portable equipment than have been raised on any farm under any conditions during one short breeding season. Your own plant may be equally successful. Let me tell you how to make money out of poultry.

Catalogue is mailed free on request.

## EGGS, BROILERS AND ROASTERS

**An Easy Lesson in Practical Poultry Culture.**

This is my latest book. It was issued last year and over 100,000 copies have been circulated. It gives the prices paid for eggs and poultry, week by week, for three consecutive years. It tells when a hatch taken off each week in a year could be most profitably marketed as a broiler or as a roasting chicken. It tells what profits can be made with each of the popular breeds, and the costs of production.

Of this book the papers say:—

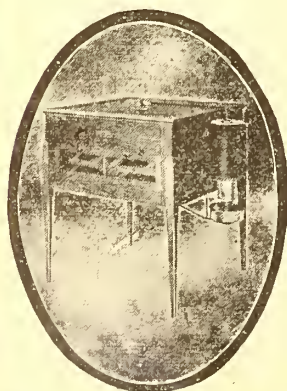
Farm Poultry, Boston, Mass.—"A valuable reference book."  
American Poultry Advocate, Syracuse, N. Y.—"The best published  
in recent years."  
Poultry, Peaton, Ill.—"A great book; it should sell for a dollar."

Sent to any address upon receipt of 20c in stamps.

**CHAS. A. CYPHERS,**

**316 Henry St.**

**Buffalo, N. Y.**







## Preparing for Exhibition



THREE most important features must be taken into consideration when contemplating the selection of specimens that may become prize winners in the exhibition hall. The first of all is the proper breed. Next comes proper care and feeding for the purpose intended, health, vigor, and constitutional ability to stand the strain of competing at the shows. Following this, the most important of all is the proper conditioning of the specimens for display.

Fowls that are permitted to run at large, to roam through the underbrush, and to gain part of their living from the berries, bugs, and fruits of the field have a finish and gloss of plumage that is not usually present on specimens kept in more confined quarters. Fowls that can roam at large from the time they are able to go about until selected for the exhibition hall, grow better, mature better, and are usually more attractive in appearance than are those kept cooped up away from the rain, sunshine, and snow. The constant contact of the plumage with the verdure of the undergrowth imparts a polish and finish that can not otherwise be obtained. Such conditions are conducive to good health, and produce and reproduce constitutional vigor to the greatest extent. When cooped and kept apart for special preparation for the show-room, the plumage begins to lose nature's gloss, and finish becoming less attractive than before. A few weeks deprivation from their free range may work disaster with the finish of the specimen. Some will not stand confinement, while others seem to prosper as well under its influence as do those at liberty.

Success in the exhibition hall may be credited to condition. Following the natural condition, the artificial preparation should be considered. This term "artificial preparation" is applied as a distinguishing term from nature's preparation in the open. The main feature of the artificial preparation is perfect cleanliness of the entire plumage within and without. This can only be accomplished as the result of a thorough washing in a tub of water.

When this is thoroughly done, great improvement is noticed, not only upon pure white specimens, but the influence

is equally remarkable on the black or parti-colored fowls. Any fowl or variety permitted in the exhibition hall uncleanly about the face, shanks, and plumage deserves defeat. The breeders who send white fowls with immaculate plumage into the exhibition hall deserve more credit by far than do those who neglect their opportunity and permit themselves to be overrun by the thrift and determination of those who will make use of any legitimate method to gain the coveted prize. Every inch, from the tip of the beak to the end of the tail and shanks, should be absolutely clean and free from dirt. Those who do not know what it is to fail are usually those who have learned the lesson of sending their specimens in perfect condition.

### Chicken-pox

The Agricultural Experiment Station of Alabama, located at Auburn, Alabama, has issued a pamphlet on "Chicken-pox, or Sorehead, in Poultry." This disease has done a world of injury to the poultry of the South; also in many other sections of the country. Those anxious to have complete information relative to this ailment should send to the station and request that a copy of this bulletin be sent them.



### Big Profits in Capons

Caponizing is easy—soon learned. Complete outfit with free instructions postpaid \$2.50.  
Gape Worm Extractor 25c  
Poultry Marker.....25c  
French Killing Knife 50c  
Capon Book Free.

G. F. Pilling & Son,

Philadelphia, Pa.

**City View Poultry Yards**  
Cockerels, R. I. Red, Rose Comb White Leghorns,  
Rose Comb Buff Leghorns. Elegant birds. Winners.  
A. J. Gillette, Gloversville, N. Y. 12-3

## BUCKEYES

Want Winter Eggs? Buy Buckeyes. The best laying large breed on earth. Want Reds That Stay Red? Buy Buckeyes, the darkest, gamiest on earth. Want a Winner? Buy Buckeyes. They fill the dinner pot as well as the egg basket. Cockerels for crossing cheap.

Red Feather Farm, Warren, Ohio 12-3

## A GOOD INVESTMENT ADVERTISE IN THE FEATHER

### Learn Advertising at Home

Send 10 cents, stamps or silver, for sample copy White's Class Advertising. Tells how to advertise to reach rural people.

FRANK B. WHITE, Counselor at Advertising.

At it 17 Years

900 Caxton Bldg., Chicago

### Choice Lot of Cockerels for Sale

Barred P. Rocks and S. C. B. Leghorns. Prices right. Satisfaction guaranteed.

Valley Farm, Box 18, Mt. Sidney, Va.

Chas. C. Wine, Prop.

12-3



### Purina Poultry Feeds

Are the Best No Grit

WE SELL THEM

Keeps fowls in the best possible condition

F. W. Bolgiano & Co.

Poultry Supplies, Seeds and Farm Implements  
925 B St. N. W. Washington, D. C.

## Piser's Famous Buff Wyandottes

The oldest and most successful breeder of this variety in the country. 15 years continuous line breeding. Type and color as well fixed now as any of the old breeds.

### The Best Show Record in the World

500 early hatched youngsters and over 100 yearling hens and cocks for sale. Satisfaction guaranteed on every sale, or birds can be returned. Can fill any order for show birds promptly. Special care taken in mating up birds sold for breeding. I always give this matter my personal attention. My stock has been shipped to every state in the Union, also Canada, England, Australia and other foreign countries. If you want anything in the Buff Wyandotte line, anything in the way of fair, honorable, courteous treatment, don't fail to write me. I am sure to satisfy and please you, and help you in future breeding.

L. C. PISER, Box 30, Shushan, N. Y.

12-3

## White Wyandottes---S. C. Black Minorcas

BLUE and RED RIBBON WINNERS at HAGERSTOWN, 1906; also SPECIAL for WHITEST bird in show and SPECIAL for BEST HEN.

8 ENTRIES

8 RIBBONS

At MARYLAND STATE FAIR EXHIBIT, 1906—3 Firsts, 1 Second, SPECIAL for best display. Cockerels, Pullets, Cocks, Hens of above quality, for sale.

Egg orders from EXHIBITION and UTILITY matings for February delivery booked now.

For prices and description of above stock and matings, address

GREENBERRY FARM POLTRY YARDS, O. E. Remsen, Prop., Annapolis, Md.

12-3

# Another Step Ahead

### Why the 1907 Prairie State Incubator Hatches

### Chicks Like Those Hatched by Hens

IF YOU could have visited our experimental works this past season and watched us make over sixty careful, thorough tests of hens and incubators, you would not wonder that the 1907



New 1907  
Prairie State  
Incubator

Prairie State Incubator is such a long step in advance of other makes. It is not uncommon to find machines that hatch good percentages of eggs, but it is uncommon to find machines that hatch big, healthy, vigorous chicks. And here is where the improvement in the 1907 Prairie State comes in, for we have an incubator that will bring off chicks as near like the "old hen" in size, vigor, and activity that an expert can't tell the difference.

And how did we accomplish this?

Simply by producing the same conditions in the

egg chamber that we found exist under the hen. Not by guess work; not through theory; not through somebody's "say so," but by patient, thorough tests with the aid of a hygrometer—the most accurate instrument obtainable for recording temperature and humidity in the nest—essentials so vital to the production of strong, healthy chicks.

With this tabulated record we were equipped to reconstruct the egg chamber of our machine so as to obtain conditions just like those under the hen.

Then we tested them with the same apparatus time and time again, for we wanted to make sure we were right.

The result is that the 1907 Prairie State is the nearest-to-nature hatcher on the market. We retained all the good things of the previous Prairie State and have added this great feature of hatching stronger, bigger, livelier chicks which is a value improvement apparent to all.

Write for our New Prairie State catalog which gives full detailed description of our tests and our improved machines. It will interest you.

PRAIRIE STATE INCUBATOR CO., 481 Main St., Homer City, Pa.

## Arnold's Columbian Wyandottes

AUG. D. ARNOLD  
Box H at Dillsburg, Pa.

## S.P.S. MULTUM OVUM

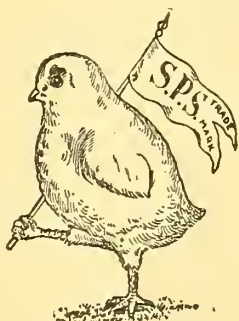
Great Egg Producer and  
.. Condition Powder ..

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



## S. P. S. CHICK FOOD

Stands in a Class Alone for  
Merit—Raises all your chicks

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



## THEY WILL EARN A DIVIDEND

If you will let them! Prevent and cure the common troubles of your fowls, such as Bowel Trouble, Diarrhoea, Sour Crop and Dysentery, which come from indigestion and lead to Cholera. The pre-eminence of

**CONKEY'S CHOLERA CURE** is no accident! It is guaranteed to cure or your money back. It is limited, therefore take no substitute. **Insist on having Conkey's.** 50c per box, postpaid. If you can't get it from Druggist or Dealer.

Free Book on Poultry Diseases, full of useful information and giving all symptoms. Regular price 25c. Free to you for 4c postage and names of two poultry raisers. **CONKEY'S ROUP CURE**, Guaranteed. Price 50c and \$1.00 postpaid. The G. E. Conkey Co., 70 Ottawa Bldg., Cleveland, O. Petaluma Ironbator Co., Pacific Coast Ag'ts., Petaluma, Cal.

## MAKE LAY

Our automatic self-feeding Poultry Drinking Fountain 1 1/2 inch's fresh pure water for fowls and makes them lay during cold weather when eggs bring a high price. It takes the chill from the hen house. Costs about 5 cents a week for oil. Only non-freezing water fountain made. Shipped with approval. **AUTOMATIC HATCHING CO., Detroit, Mich.** We also manufacture the best Poultry Brooder ever made.



Send for Catalog 40

## A SEASONABLE OFFER

Especially Designed to Meet the Wants of Many Readers

IT IS not often we are able to make such a grand proposition as the one below, but we are desirous of closing the season with not less than 50,000 subscribers, and for that reason we are straining every effort to supply the wants of everybody. You know all about



and the grand work we are doing in the interest of Poultry and Pigeons, and our aim will be to even exceed our past efforts during the coming year. The other paper,



is one of the oldest and greatest of all farm papers. This goes without saying and no further argument is necessary. This is a winning pair and no family should be without them. For a limited time only we are offering

**BOTH PAPERS FOR 50 CENTS**

Please note this offer and send in your subscription while you have a chance.

**THE HOWARD PUBLISHING CO.**

714 Twelfth Street N. W. Washington, D. C.

## GREEN BONE

Makes strong, healthy, profitable fowls, more eggs, better eggs and more money for poultry raisers. Cut bone fresh, daily - it's an easy, simple operation with a



**STANDARD Green Bone Cutter Only \$2.80**

The "Standard" is the only positive automatic feeding cutter built, has many improvements found in no other; is low in price and built to stand the work. Made and guaranteed by a thoroughly responsible concern. Write today for free catalogue, prices and Trial plan. **STANDARD BONE CUTTER CO., MILFORD, MASS.**

## HOGAN HENS

Are Laying Hens Every One of Them

If you could certainly cull out all the tolerable layers, poor layers and non-layers and keep only the good layers, wouldn't you do it?

Of course you would.

Then you are looking for

**The Walter Hogan System**

It teaches you to do that and more. Pullets sure to become layers. Cocks sure to breed layers. Selection and breeding. A new system that's sound.

All Hogan hens are 200 egg hens. You can have them, absolutely sure. Yes, its startling - a revolution in poultry raising. But we have the proof. Write us for it.

**THE WALTER HOGAN CO.,**

12 Nat'l Bank Building, Fergus Falls, Minn.

## Local Peculiarities



LOCALITY has much more to do with influencing the sale of poultry products than one would imagine. A Western advocate of caponizing states that capons are aptly termed the finest chicken meat in the world. On the other hand, a letter from Canada states

that capons are not sought after to any extent in the Canadian or English markets. The fine-finished roaster is preferred, so states the Canadian writer, more than any other kind of dressed poultry. Large numbers of these are grown in Canada, nicely fattened, finished, and dressed for the English market. But few capons are grown in that locality. On the other hand, the New York and Boston markets use large numbers of capons from the middle of January to the end of March. More attention is being paid to this branch of poultry culture than ever before.

Notwithstanding all this, the soft roaster is becoming quite an attractive feature with the best growers. Thousands of these roasters are grown throughout New England, fatted, dressed, and sent to market about the same time that the capons are in demand. Some claim that some of the best finished Brahma cockerels, dressed capon fashion, as it is called - that is, leaving the neck feathers and the feathers around the shanks - will sell almost equal the value as obtained for the capons.

It is an accepted fact throughout many sections of the country that poultry will not eat beans. Many of the New York farmers state that it is utterly useless to try to teach poultry to eat beans of any kind, unless they are broken into small pieces or cooked, as is often done for the hogs. Nothing could be better for poultry than beans if they can be induced to eat them. We are somewhat surprised to notice that a Western writer states that poultry in his locality are largely fed upon dry beans. If this is true, the poultry in that locality must have been trained to it for years, which might be, for we remember seeing a lot of young fowls purchased from a wagon in North Carolina refuse to eat yellow corn when thrown to them on the ground. Never having seen it before, they did not recognize it as a food.

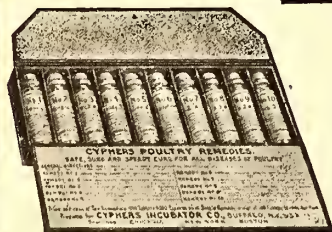
Nothing is better for growing stock than dry bran. Hoppers of this might be profitably placed about the ranges where the young stock run. A hopper with a hood that protects it from the rain, and is so constructed that the fowls can not get their feet therein to scratch about is best for feeding the dry bran.

Another poultryman states that geese are most valuable in ridding the ground of grass. This is undoubtedly true, for they are great grazers and will gain their own living almost entirely off of verbae if it is in strong, rich growth, and in quantities sufficient to satisfy them. Geese will do remarkably well on a spot of rough, wooded ground that has a pond thereon. In such a locality they will thrive from early spring until winter approaches, at which time they must be fed.

Some people claim that shipping young chicks throughout the country is a cruelty. On the other hand, poultrymen who have received them a thousand miles away from their place of birth, give evidence that they reached them in good condi-

# CYPHERS POULTRY REMEDIES

**FOR EVERY DISEASE A CURE**



**Medicine Case.**

Ten Remedies with case, \$2.00. Single Remedies, 25 cents.

Cyphers Poultry Remedies are prepared with the knowledge that the best ingredients give the best results. Back of these remedies stands the good name of Cyphers Incubator Company. There is Danger in cheaply compounded preparations.

Order By Number

- No. 1-Cures Catarrh, Bronchitis, etc.
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- No. 7-Egg Bound, etc.
- No. 8-Rheumatism, Cramps, Lameness, etc.
- No. 9-Worms, etc.
- No. 10-Aids in Securing Fertile Eggs.



**Cyphers Roup Cure**  
The One Sure Cure for Roup.

Accept no substitute. Look for the trade mark. Small package, 25c.; Medium, 50c.; (makes 25 gal. of medicine.) Large, \$1.00.

**SOLD BY 3,000 AGENTS. ASK YOUR LOCAL DEALER.**

## CYPHERS LABORATORY SPECIALTIES

Among Cyphers well known Laboratory Specialties one of the most popular preparations is Full-Nest Egg Food which increases egg production, promotes health, ensures vigor in fowls and increases the fertility of eggs. In addition to medicinal seeds, vegetable extracts, and mineral salts, it contains in a highly concentrated form the necessary animal food for egg production, taking the place of bugs and insects. Price: 42-oz. carton, 25c.; 25-lb. pail, \$2.00. One package contains

1,500 Feeds for 1 Hen; 10 Feeds for 150 Hens; 150 Feeds for 10 Hens.

Send for our Free Poultry Supply Catalogue containing description of all articles sold by us. We Manufacture Everything For Poultry Keepers. Address nearest office.

**CYPHERS INCUBATOR COMPANY, Factory and Home Offices, BUFFALO, N. Y.**

BRANCH STORES AND WAREHOUSES: 23 Barclay St., New York; 26-30 Union St., Boston; 310 Fifth Ave., Chicago; 232 Broadway, Kansas City; 113rd and Linden Sts., Oakland, Cal.; and 119 Finsbury Pavement, London, Eng.

**None Genuine Without The Trade Mark.**

Roup Cure, Lice Paint, Lice Powder, Anti-Flv Pest, Fumigating Candles, Save-All Egg Preservative,



Lice Killing Nest Egg, Napcreol Disinfectant, Nodi-Charcoal, Full-Nest Egg Food, Ten Poultry Remedies, Remedial Ointment.

**Accept No Substitute.**

Cyphers Full Nest Egg Food Makes Hens Lay. 60 Feeds For One Cent.






tion, having grown well and apparently not in the least injured by having been forty-eight hours on the way in small boxes prepared especially for their shipment. Of one lot of 50, three died en-route, 46 were living at four months of age, fully the equal in size of those hatched at home from eggs of the same variety. It is a question to be earnestly considered.

A writer advises all growers to study the disposition of their stock. Some flocks are wilder than crows, others are tame as kittens. We imagine that it is the disposition of the handler that influences quiet among the poultry, rather than the disposition of the fowls themselves. Some can handle bees without protecting hands or face, while others are being continually stung when carrying for the bees encased in a flying armor. It is the influence of the disposition of the handler that quiets the flock of poultry, bees, or pigeons, and makes them more contented, quiet, and easily handled.

In writing of pigeons in the South, Mr. Slaughter states that there is a prejudice against pigeon-growing and that it will require many years to overcome this. We can remember when there was a most marked tendency to criticize those who spent their time with poultry. The one who exhibited standard-bred stock was looked upon almost with contempt. Today we see recorded in the press the fact that a number of members from Iowa stood in the House and spoke in most complimentary terms of the value of poultry products to the country, and praised those who had brought them to such a state of perfection. In time the South will be more interested in the cultivation of poultry, bees, and squabs than any other locality, from the fact that there is in the Southern locality the greatest possible chance for remarkable success in their cultivation.

A Western expert agrees with our thought for success with utility poultry culture, in that vigor and vitality are the factors which make money for the poultryman who depends upon marketing the stock for a profit. Badly-selected, ill-formed, unhealthy specimens are the cause of more failures than any other one thing in this line of farming. Small, weakly turkey hens are responsible for the greater portion of the loss in turkey culture. Selling the best to the huckster, and keeping the pullets he will not have for producing the eggs from which to hatch another season is a prime factor in the great loss so often experienced in our flocks of young chicks. This is more than true; we have sounded the alarm often in the columns of our paper; every one might study these conditions and profit by them.

We are pleased to notice that many writers are coming back to the old Cochins, and mentioning them as most valuable for producing market poultry. One writer states that he yet fosters several hundred of the old Yellow Cochins of the kind that lay so many eggs; another states that he uses Partridge Cochins exclusively for the production of winter eggs and dressed poultry for market, always caponizing the cockerels and gaining a good profit from their sale in January. Many persons are pleased to admit the Cochins fowls as valuable for market-producing stock. There was a time when the Cochins stood at the head of the list for market poultry and eggs. Too many feathers and too much cultivation along non-utility lines made a change in them. It will be quite easy to come



**HOMEO**  
CURE FOR  
**ROUP**  
Price, 50 Cts.  
Prepared by  
**HOMEO REMEDY CO.**  
1229 MARKET ST.  
PHILADELPHIA, PA.

**EVERY  
DRINK  
A DOSE**

If you suspect Roup in your poultry give them immediately in their drinking water the Homeo Cure. Every drink a dose, every dose prevents disease. Equally good for Ducks, Pigeons, Turkeys or Geese. Price 50c a package, postpaid. Send today for 32 page book "Life Saver" Poultry Book FREE.

**CUGLEY & MULLEN,**  
Dept. I, 1229 Market Street, Philadelphia, Pa.

**TRAP NEST**

The O. K. Trap Nest is a step in advance of any heretofore made. Practical, economical, and efficient. Circular free.

**E. G. CARLSON,**  
Beach Street, Woburn, Mass.



World's Champion of 1900 First Prize Sweepstakes Cockerel at New York show '06. Forty-five Winning Males at New York Shows have been bred by us the last Seventeen Years.

**BRADLEY BROS.**

**Box 900**

**Lee, Mass.**

## Why Don't Your Hens Lay Better?

**—YOU CAN MAKE THEM**

**EVERY** atom that the hen uses in making eggs, comes from the food she eats.

Isn't that so? It stands to reason, then, that you should feed those foods rich in egg-making materials.

What are they? Nature knew what she was about when she made Cock, Hen and Chick relish a nice, juicy worm or a good, fat bug above everything else.

They relish such food, because it is rich in what the professors call "protein"—and protein is what fowls need, not only to make eggs, but also to make bone, muscle, flesh and feathers, as well as to maintain vigor and vitality.

That is why the hen craves bugs and worms—or some such food rich in protein.

It's a natural instinct for that something which builds up eggs and maintains good conditions.

Now, animal matter or foods, are rich in protein, while only limited quantities are found in the grains and vegetables usually fed.

But hens don't get worms and bugs in winter or when yarded.

Therefore you must provide something to take its place if you expect to get the best results from your flock.

What is that "something?" The best thing yet discovered is raw green bone—the fresh trimmings from the meat market—bones with meat and gristle adher-

ing—fresh cut and uncooked.

Analysis shows that such raw bones and gristle—beef, pork or lamb—contain the same food elements as the bugs and worms.

They therefore make a perfect substitute—not something "almost as good," but identically the same.

A food rich in protein, and which costs but little more than the labor of cutting it.

It contains more than four times the protein and egg-making materials of grain, and is rich in all the elements

that go to make eggs, bone, flesh and feathers.

That is why it makes hens lay as nothing else will.

Why it improves the vitality of the entire flock;


Why it makes red combs, bright eyes and glossy plumage;

Why it enables your flock to produce more fertile eggs, larger hatchings and stronger, livelier chicks.

**EGG MAKING**

is a hen's natural work. Cut bone is the raw material she needs to make her lay an egg a day. A **CROWN BONE CUTTER** will prepare the food from scrap bones quickly, easily. Write for catalog—tells about the Crown.

**Wilson Bros., Box 615, Easton, Pa.**



**Hatch Chickens by Steam**  
with the  
**EXCELSIOR INCUBATOR**  
or **WOODEN HEN**

Economical and perfect hatching. Absolutely reliable and self-regulating. Thousands in use to-day.

**GEORGE B. STALL, Quincy, Ill.**



### HINKLE'S WHITE ROCKS

Are as good as cash and brains can produce. Closely related to Chicago winners. Grand cocks and hens at bargain prices. Young stock that will tickle you in quality and price. Try me.

**K. C. HINKLE, The White Rock King, Millersburg, Pa.**

12-3

### Buff Plymouth Rocks

**Winners Wherever Shown**

At Madison Square Garden, New York City, January, 1906.—First and second pens, third pullet. At Hagerstown, Md., October, 1905.—First and second pens, first cock, first and third hens, first and second cockerel, fourth pullet.

At Hagerstown, Md., October, 1906.—First and second pens, first and fourth cock, second and third hens, second and third cockerels, first and second pullets.

Also winners at Allentown, Pa., and Trenton, N. J., September, 1906. A fine lot of young stock for sale. Write and describe fully your wants.

**GEORGE FOX, Torresdale, Philadelphia, Pa.**

12-4

## The World's Record for 17 Years Bradley Bros.' Barred Ply. Rocks

We have Bred and raised more Highest Grade Exhibition Barred Plymouth Rocks probably than any other breeder in the world the last 17 years. At the last 17 Madison Square Garden Shows, New York, Birds we Bred and Raised, Won More First Prizes by over 25 per cent., than any other exhibitor has won on Any Stock during that time; also 25 per cent. More First Prizes on Exhibition Pens and Double the number of First Prizes on Cockerels, and nearly three times the number of First Prizes on Males, than any other exhibitor has won on stock net our breeding.

**N. B. THESE FACTS ARE COMPILED FROM ACTUAL RECORDS CAREFULLY KEPT.**

At New York Show, 1906, in a class of nearly 500 Barred Plymouth Rocks, representing all the Largest Breeders, WE WON as follows:

### The Prize of Prizes of the Entire Show, First and Sweepstakes

On Cockerel; the Best Record for Cocks and Cockerels; the Best Record for Cockerels alone;

#### Spratts' Gold Special

For Best Plymouth Rock Cockerel or Pullet, any Color, Spratts' Fed; special for Champion B. P. Rock Male; and Special for

#### Best Pullet Mated Exhibition Pen

Our First Prize Cockerel, "World's Champion of 1906," and his Sire are both pure "Bradley" bred birds—bred and inter-bred to our Deapest and Richest Producing Lines of New York First Prize Winners and extending back for Seventeen Years.. "World's Champion" through his dam is related to Three First Prize Chicago Males, all bred by us. For photograph of "World's Champion" see our circular.

**EVERY ONE OF OUR WINNERS AT NEW YORK WAS OUR BREEDING PURE**

**For Seventeen Years** birds that WE BRED and raised have won at New York Shows as follows: More First Prizes, by over 25 per cent than any other exhibitor has won on Any stock; 25 per cent more First Prizes on exhibition Pens; double the number of First Prizes on Cockerels; and nearly three times as number of First Prizes on Males, than any other exhibitor has won on stock not our breeding. N. B.—These facts are compiled from actual records carefully kept. Write for Large Circular and Particulars of \$1,000.00 Chick Hatched from Our Eggs. Both Sent Free.

**—YOU CAN MAKE THEM**

**TRY OUR FREE WAY**

**EVERY** atom that the hen uses in making eggs, comes from the food she eats.

Isn't that so? It stands to reason, then, that you should feed those foods rich in egg-making materials.

What are they? Nature knew what she was about when she made Cock, Hen and Chick relish a nice, juicy worm or a good, fat bug above everything else.

They relish such food, because it is rich in what the professors call "protein"—and protein is what fowls need, not only to make eggs, but also to make bone, muscle, flesh and feathers, as well as to maintain vigor and vitality.

That is why the hen craves bugs and worms—or some such food rich in protein.

It's a natural instinct for that something which builds up eggs and maintains good conditions.

Now, animal matter or foods, are rich in protein, while only limited quantities are found in the grains and vegetables usually fed.

But hens don't get worms and bugs in winter or when yarded.

Therefore you must provide something to take its place if you expect to get the best results from your flock.

What is that "something?" The best thing yet discovered is raw green bone—the fresh trimmings from the meat market—bones with meat and gristle adher-

ing—fresh cut and uncooked.

Analysis shows that such raw bones and gristle—beef, pork or lamb—contain the same food elements as the bugs and worms.

They therefore make a perfect substitute—not something "almost as good," but identically the same.

A food rich in protein, and which costs but little more than the labor of cutting it.

It contains more than four times the protein and egg-making materials of grain, and is rich in all the elements

that go to make eggs, bone, flesh and feathers.

That is why it makes hens lay as nothing else will.

Why it improves the vitality of the entire flock;

Why it makes red combs, bright eyes and glossy plumage;

Why it enables your flock to produce more fertile eggs, larger hatchings and stronger, livelier chicks.



**MANN'S LATEST  
MODEL  
Bone Cutter  
10 DAYS FREE TRIAL**

Why it promotes growth and development, giving you earlier broilers, earlier layers, and larger market fowls;

Why it more than doubles your poultry profits.

It is cheapest because it is richest in the food elements fowls most need, and because it costs you but little more than the labor of cutting it. It is best because it contains these elements in their most digestible form, and you know exactly what you are feeding—as you cannot know when you use so called "beef scraps," or the ready-mixed commercial foods, or the advertised "poultry foods" made from

secret formulae, for which such extravagant claims are made. You have to buy them "on faith;" you don't know what they contain.

Fresh raw bone is greatly superior to "beef scraps," because the cook-

ing and embalming and preserving and drying of the scraps destroy nearly all their value.

Experiment stations and thousands of poultrymen have proved the value of green bone. Can you afford to ignore such valuable food?

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**F. W. MANN CO., Box 61, Milford, Mass.**



back to the old-time Cochin and Brahma for market poultry.

We notice in Farmer's Guide a few hints that might well be applied to those in charge of the poultry yards: "Never fuss, fret, or fidget, nor appear to be uneasy or excited when you go among your poultry. Never keep your customers waiting for their eggs or dressed poultry. When you go into your poultry house, close the door gently behind you;

do not slam it as if anxious to break the hinges thereupon. Keep the poultry house neat and attractive, so that prospective customers may be pleased at first sight. Never leave a pane of glass, a lock, a hinge, or a doorknob off, nor needed. Do not linger so long at your own breakfast table as to dishearten the waiting hens. Be patient with your fowls; handle them kindly and gentle, and they will prove to be of much more profit to you."

## Out of Many

"I received your letter informing me that my subscription to The Feather has expired. I have been pleased with the paper and so wish to continue my subscription. Enclosed find 50 cents for The Feather another year and The American Fancier Poultry Book. Wish-ing you success, etc."—John F. Letson.

## The Poultryman's Alphabet



ICK'S Magazine is responsible for the following collection, the inspiration for much of which seems to have been gathered from the four winds of poultrydom: Avoid overcrowding of fowls in small quarters.

Beware of cold drafts or cracks in hen-house walls.

Clean poultry buildings and yards thoroughly and frequently.

Damp, ill-ventilated apartments are un-wholesome and dangerous.

"Early to hatch and early to lay" should be the pullet's motto.

Furnish an ample supply of grit and crushed oyster shells.

Green bone, finely cut, affords an ideal food both for tiny chicks or mature fowls.

Have plenty of nice clean nests, to prevent dirty eggs, to which even careful washing can not restore their lost daintiness and freshness of aspect.

Insecticides faithfully used will expel lice.

Jolting to market over rough roads won't crack eggs—if in up-to-date egg crates.

Keep dusting boxes well filled and handy.

Lime should be frequently scattered about the yard, and don't lose the white-wash brush.

Mulberries or plums growing in poultry yards yield a welcome addition to Biddy's bill of fare.

Neatness and cleanliness must never be neglected.

Oats aid greatly in filling the egg-basket.

Pure drinking water should be freely supplied at all times.

Quarrelsome, spiteful stock should be promptly disposed of.

Rub roosts often with coal oil to dis-lodge mites.

Strew grain in litter to give the hens exercise scratching it out.

Tobacco smoke will help to rid hen-houses of lice.

Use copperas now and then in the drinking water.

Variety of food gives new zest to the hen appetites.

Well may you shun overfeeding, the too fat hen being a distinct failure as a layer; yet fowls enjoy eating, while under-feeding profits neither hen nor master.

Xyst was in ancient architecture an open court (though often covered) for athletic exercise, such as wrestling or running. The modern hen enjoys her xyst in the shape of a scratching shed annex to the south side of the hennery.

Yards must be supplied with shade of some kind, preferably plum trees.

Zealously will well-kept fowls repay all care given them.

## Advertising Rates

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TWO HUNDRED AND SIXTY PAGES

## HOW TO MAKE MONEY WITH POULTRY AND INCUBATORS



### CYPHERS INCUBATOR COMPANY'S 11TH ANNUAL CATALOGUE OF INCUBATORS, BROODERS and POULTRY SUPPLIES

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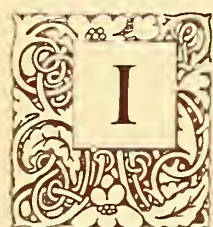


GUARANTEED  
BEST HATCHER





## Goose Culture



**I**n this country the cultivation of geese for market poultry has improved remarkably in the past few years. Formerly it was not unusual to hear the statement made that so few people cared for roast goose that it was foolish to attempt their production.

Within the last year more than twenty thousand geese have been fattened in and about New York and Boston, and sold at remarkably high prices.

We have written many articles for the columns of *THE FEATHER*, describing the many varieties and kinds of geese best suited for the winter market, the consumption of which begins at Thanksgiving and is about complete in February, except with a chosen few who make use of the goose at stated intervals throughout the entire year.

The evidence is very decided in favor of the possibility of making money from geese under certain conditions and management in this country. An unnamed writer states through the columns of the *Homestead* her experience in handling of geese. She says: "There are three ways of making money from them: You can sell feathers, eggs, and young geese, and retain the old producing birds. Feathers are very high, and the demand is increasing, as nothing seems to take the place of the good, old feather bird. From ten geese I sold \$30 worth of eggs, raised sixty young goslings, and sold \$40 worth of feathers in one year. Some are better layers than others. Don't keep the eggs too long or too warm, but set and turn over every other day until hatched. Take them out of the nest as soon as hatched from the shell, and put in a basket of warm rags (leaving the hen one if you want to give them to her). This leaves no chance for her to mash them. When dry and strong put them out in the yard, and let them learn to walk, and by night they will run. Then give them a drink of water. I give them a drink of water or milk out of a spoon before I put them out. They get excited over it, and drink very heartily.

"I put them in a box for a couple of nights, putting dry, soft straw in the bottom. Make the box so they can not get out, otherwise they will creep out and chill, but after the second night they are all right in any coop or house that is fit and safe for little chickens. I feed corn

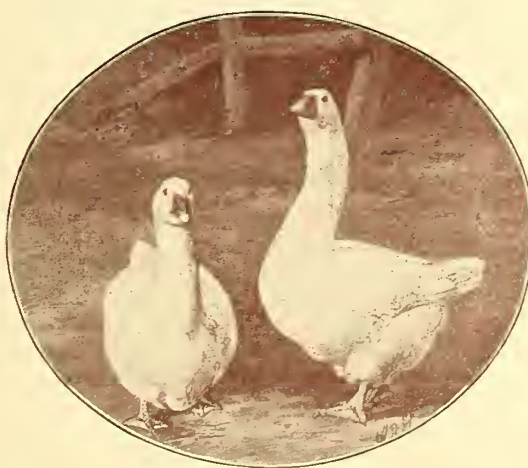
meal wet with water. I also give plenty of water, sweet milk and corn. At two weeks of age they will do all right with grass, which they will find. Just let them go, and they will care for themselves. I often raise everyone in a hatch. They are not good jumpers, so if they fall into a hole they can't get out. I fill up any old post holes that may be around. They break no gates or fences, and do not root out under the fence. They like to roam around, but do not visit, preferring to stay at home. They are the best shippers imaginable, going long distances in apparent comfort. In five years I have never had a loss by shipping. They always get there, and, like the new baby, they take their welcome

ones raised in the country where they were originated. They are gray-brown in plumage, inheriting this from the wild geese from which they are bred. The color is darker on the upper parts, and shades to a very light ash gray for the belly and legs. The French standard disqualifies too dark or too golden colors, and this makes the plumage of the fowls remarkably uniform. The Standard requires: A strong head, with a large skull; dark-brown eyes, almost black; the feet mandarin red; the beak light orange yellow, almost white at the point, and the possession of two pouches of fat dangling beneath the chin and the abdomen. The latter peculiarities, especially the pouch under the abdomen, are highly esteemed, as indicating, by size and early appearance, birds that will be remarkable for their size, precocity, and aptitude for fattening.

"The goslings are hatched under geese almost exclusively, and after the first three weeks they are given free range in most cases. They often wander for miles along the highways, and are given practically no grain until they are eighteen months old. By this time they have developed large frames. The children of the family follow them around, each having a flock of fifty or more, and see that the stock is home at night.

"Twice a year, at the time sheep are sheared, the geese are plucked, the feathers being taken only from the neck, the breast, and the abdomen. Each fowl yields at least half a pound twice a year, and the feathers bring fourteen francs a pound. Some of the growers separate the smaller feathers, and sell them as down. This is used in making eiderdown quilts.

"The fattening of the birds is an interesting operation. After the eighteenth month the process begins, the work starting, as a rule, in the first cool days of autumn, and continuing until January. At first the geese are placed in small coops, and given all the corn they will eat. This corn is soaked in water, and care is taken to keep the coops well lighted. After two or three weeks the geese are transferred to coops so narrow that they cannot move, and six inches of straw is placed over the bottom, so that the fowl sinks in it up to the breast. The coops are kept in darkness, and in a quiet place, and each fowl is in a separate pen, whereas before a dozen were imprisoned together. All the fattening from now on is done by hand. The use of cramming machines was attempted, with unsatisfac-



WHITE EMBDEN GEES.

with them. You can pick them every six weeks until severe weather comes. Of course there is a right and wrong way to do everything. My geese are none the worse for the feathers I take off. They are easily handled. Be kind, and treat them as you would like to be treated, and note the result."

The above is a fair sample of the handling of the average small flock of geese in this country. We have said enough in the past about managing home flocks, so we give to our readers the experience of goose-raising in France, as described in the columns of "Feathered Life," England, and also the experience of the goose king of the United Kingdom:

"The Toulouse geese are practically the only





CHAMPION TOULOUSE GANDER

tory results. A funnel with a mouth half an inch across, and tipped with rubber to prevent injury is thrust into the goose's mouth, and a handful of whole corn, which is not soaked, is poured in.

"The peasant then takes a small stick and rams the food down into the crop of the fowl. He pours in another handful and rams that in, and continues the process until the crop is stuffed full, and the throat crammed up almost to the beak. This is done generally twice a day, but sometimes a third feed is given at noon. A Toulouse goose has a capacity of a quart of corn a day, fed in this way, for five weeks. A little water is given at times, and some farmers feed corn meal occasionally, adding a trifle of salt to it. Those who use the fattening machines feed a mixture of corn-meal, barley-meal, wheat and buckwheat flour, bran, and mashed potatoes.

"There is a sure gage to indicate when the fattening process has been carried far enough. This is when the tail feathers spread out like a fan, the fat between them being so great that they are not able to touch each other. Then the goose is killed, for then the liver, which is a most valuable part of the bird, is in prime condition. These geese have the reputation of being the best in the world, and are bought alive by traveling dealers. The weight of unfattened birds is from thirteen to twenty-three pounds, and of fattened ones from twenty-six to thirty-two pounds, the average gain being eleven pounds, but often reaching sixteen pounds.

"The livers are enormous, some of them weighing nearly five pounds, as records of the agricultural shows prove. The average weight of the Toulouse livers is a little less than three pounds.

"In Paris, and all the other cities of France, there are famous establishments which make *pate de foie gras* and similar preparations, and to them throngs of peasants flock each day, carrying baskets of goose livers. These are exhibited in the shop windows to a delicacy-loving public, and then are baked in pie-crust, which is browned in oval bowls. The *pate* brings fabulous prices, and is exported to all parts of the world. Adulteration is common, however, and many *pates* are made from pigs' livers."

The following is an interesting chat with "The Goose King" about a great Christmas industry, taken from an English paper.

The *Visiter* representative says: "I found Mr. John Harrison (the champion rearer and fattener of geese) extremely frank and communicative. Himself singularly successful, he at once gives you the impression that he, at all events, does not

seek to possess quite the entire earth, and his motto implied as clearly as if it had been spoken in so many words, evidently is: 'The world is wide, and there is room for all.' Although the imported geese have, as in every other industry, cut down prices, still Mr. Harrison finds there is a decided preference for the English-reared birds, and this view is being emphasized by the increasing demand year by year. The superiority in the quality of the home product readily fetches the slightly higher price charged for it per pound. Two thousand geese and five hundred ducks is Mr. Harrison's stock this year, and to this waddling army we were introduced on Saturday afternoon as the birds besported themselves with the opulence and the self-satisfied air of a company promoter. The fable of 'the goose that laid the golden egg,' of course, loses its moral entirely here, for the goose has to be killed before the egg is forthcoming; and, we are told, as many geese as there are shillings represented by the gold have to be executed before the precious metal is realized. A valuable by-product, too, is the feathers, which, of course, the dealer does not overlook. These fetch from one shilling to two shillings per pound, and may be considered cheap at that price. Our informant has a preference for the Irish-hatched geese, and his method is to bring these over early in the month of September. They are then allowed to roam



YOUNG BABCOCK ROUNDING UP THE CHRISTMAS GEES

almost at their own sweet will, and it is at this stage that they are the terror of the children—whether going or coming home from school, it matters not. Their food at that period of their development must be mainly found by themselves, and gradually the grass is plucked shorter and shorter, until the field is nothing more than a quagmire. As Christmas looms nearer and nearer, however, the birds receive better and better fare; they are more and more tempted to eat; and for many weeks past the cackling regiment which paraded before us had consumed six sacks, and sometimes seven, of corn per day.

"We followed the work here outlined through the various stages, and the plucking process, to which we were next introduced, was as much a revelation as the rest. Here some half-dozen men—professionals, we learned, at the work—literally made the feathers fly, and to some satisfaction. A couple of minutes sufficed for the tugging out of the large feathers of the wings, and in about another eight minutes the whole of the remaining feathers and down had been flicked off the bird, and added to the ever-growing stack of bed-stuffing material piled up in the center of the room. As far as he is concerned, however, the expert plucker has no particular reason to associate at this season of the year the feathers

and down with the luxury and ease generally attributed to them, for the work must proceed night and day, and already his hands are swelled to prodigious proportions, and it is necessary to every now and then give them a little massage treatment, and apply a small quantity of resin to enable him to continue the work at all. Fourpence per bird is his pay, and he can make one pound a day just now at the job. Nobody will be ungenerous enough to say the money is not earned, especially if they see him at the work. Where these men leave off, women take up the work, and for the geese that have to be dressed and made in every way ready for the cook, six women are employed."

The above fully describes the fattening of geese for *pate de foie gras* and other purposes by the French and English experts, who, without question, are the most thoroughly educated people in fattening and finishing geese for market. Following in line with this comes the possibilities of extensive goose-growing in this country, and preparing same for market.

Wisconsin is growing a large amount of water-fowl and sending them to market. Besides growing them, great care must be given to the preparation for market. We copy the following from "Successful Farming," written by Mr. Cummings, of Chippewa County, Wisconsin:

"Goslings mature more rapidly than other fowls, and if well managed they should be well grown and ready for market at ten weeks old.

"Give a mixture of grain and corn-meal, moistened with either sweet or sour milk; allow an abundance of green food at all times. Market the young geese in the fall and keep the old ones. An old goose will lay from thirty to forty eggs. If you find your geese thin and in poor condition within a week or two of selling time, confine and give plenty of green food cut in pieces, clover, turnips, cabbage and the like, with ground grains.

"Dressing and packing geese is quite important, if you would have the birds reach the market in an attractive condition. For scalding, water should be as near boiling point as possible. Let remain in water a little time to loosen the feathers, so they will come out without breaking skin. Never attempt to dry picking before killing. It is not only a cruelty, but inflames skin so it is not fit to market. After plucking the feathers the geese should not be singed. It gives them an oily appearance. To 'plump' them, plunge into almost boiling water for an instant, then into cold water. Wipe thoroughly with a cloth. Keep in a cold place until ready for packing, but not where they will freeze.



CRYSTAL PALACE WINNER, TOULOUSE GOOSE



"Leave head and upper portions of the neck unpicked. Birds that bring the highest market price look clean and plump, and the skin has a smooth and unbroken appearance. As soon as perfectly cold pack in barrels or boxes. They should be packed close, to avoid rubbing, as that is sure to mark the skin and general appearance."

The geese most in favor in this country are the Toulouse, Embden, and African geese. The smaller varieties, white and brown China, though considerably grown, are not valued so highly for market poultry. The Toulouse is a large gray goose, perhaps the greatest favorite of all grown in this country. In England, the Embden is more highly considered. This comes largely from the fact that its coat of feathers is pure white, and sells for a much higher price in the market than do the dark-colored kinds. The Embden and the Toulouse are undoubtedly prime favorites the world over. They are strong, prolific, quick in growth, easily fattened for the market. Where weight alone is considered, these two are largely selected, and either bred pure or at times crossed one with the other to increase size and vigor.

The African goose is largely used throughout New England for crossing with the wild Canada goose for producing the Mongrel goose for winter market. No other kind of poultry sells for a higher price than the Mongrel goose in the markets of the East. We have seen them bring 40 cents a pound with the head and feet attached in the markets of New York City during the holiday season. Imagine a goose tipping the scale at fourteen pounds, selling at 40 cents a pound—\$5.60 for a single roasting goose! One weighing sixteen pounds we saw sold for \$6.50, a short time ago.

This explains why the expert goose growers of New England raise the Mongrel goose for market.

Many attempts have been made in crossing the Wild Canada gander with Embden, Toulouse, and Brown China females. The results from these crosses have produced fine roasting geese, but for some reason or other they have never gained equal value in the market with the Mongrel goose produced with the cross of the Wild Canada gander and the African goose. We have seen large numbers of these grazing over the stony hills of Rhode Island, usually a single pair—the Canadian Sire and the African goose—with from five to seven young following in their train, all of which had the color and marking of the Canada Wild specimen, and at



DAWSON BROTHERS' AFRICAN GEESSE

five months of age larger than either of the parent pair. When once a pair of these are properly mated they are never separated, so long as they will continue to produce one flock each season.

Near Paterson, N. J., and at Greenfield, Mass., are fattened thousands of geese that are shipped there from all over the country. These are fed and fattened in large flocks until of the finest finish for roasting, when they are dressed, dry-picked, and sold to the markets throughout the East. Only young geese are made use of for this purpose, some of them coming from as far north as Nova Scotia. If the growers of geese throughout the country would pay more attention to the quality of their breeding stock they would be surprised at the increased profit. It has been stated by the commission merchants of New York and Boston that not one-tenth of all the geese offered are up to the standard of quality that is demanded by customers willing to pay the highest prices.

In addition to these, large shipments of ducks are made from as far west as Iowa, Missouri, and Kansas into the eastern markets. Entirely too many of these are small in size, and display a protruding breastbone, announcing to the purchaser that they lack very much the filling out of the breast meat, which makes the roasting duck desirable. Since the increased egg-

production of the duck reduces the expense of breeding them, it would only be necessary for the growers of ducks throughout the entire country to pay more attention to fattening and finishing their products for market, as is done in England and France. There are more purchasers in this country than in all the other countries. If the producers of the Thanksgiving turkey, the Christmas goose, water-fowl of all kinds, and the dressed poultry for markets would pay more attention to the better cultivation of same, and to feeding and fattening them for market, there would be much more profit gained.

As described in the September and October issues of THE FEATHER, with a more complete presentation of market ducks than has ever before been given the readers of poultry journals, the cultivation of all kinds of water-fowl might be profitably added to almost every farm in the world. They can be grown with perfect ease and safety. A selection to suit the demands of the market should be made, rather than taking up any one single variety. The Pekin duck is unquestionably the greatest duck ever produced from which to grow the largest winter and early spring broilers. They naturally take on considerable fat. This detracts from their value as roasting. The solid-meated ducks are the best for roasting. Of these we have described in former issues the Muscovy, the Huttegen, the Rouen, and the Aylesbury. We have added a few illustrations to this list, and would call attention to the special value of all these for roasting poultry.

In feeding water-fowl for market purposes, mixed or mash food should be provided. Whole corn or grain of any kind is a wasteful kind of food to use in fattening water-fowl. The water-fowl do not have a crop and gizzard connection, as do chickens. Mash or mixed foods are much more easily consumed, digested, and assimilated by waterfowl than whole corn. Quite often ducks, both young and old—more especially young ducks—are destroyed from eating too much whole corn. This happens when they have had a surfeit of young, undried corn. It quickly swells in the crop, and oftentimes does great injury to the ducks. The habit of ducks when feeding is to take a few mouthfuls of food, and then a few mouthfuls of water. In this way they will pass to and fro from the feed and water troughs to satisfy their desire for food and water. When fed large amounts of corn, the drinking of the equally large amount of water causes the injury that comes from this kind of feeding.

## Most Desirable for Breeders



FOR the production of the finest quality of exhibition fowls of all kinds, nothing is more valuable than the female which produces each year the greatest per cent. of quality. To be familiar with such results, one must know the ancestors of every chick produced, every breeder of exhibition poultry should know the male and female which produces every exhibition specimen they have. When once identified, the hen that produces the greatest number

of highest quality should be selected as the mother of the flock. She and her pullets should always be retained for breeding purposes. When the pullets have been tried, if they prove equally valuable with the mother hen, they should be held for future use.

No hen that will lay one or more eggs in a season should ever be discarded for old age, providing these eggs continue to produce the finest quality. Twenty-two exhibition fowls of one variety were produced one season from a single hen in her fifth year. Eleven of these were hatched and reared by herself. Seven of these eleven were cockerels, and were sold at an aver-

age of over \$20 each. Never discard a valuable breeder, no matter what their age may be.

The careful selection of producers from mother hens that are known producers will enable one to build up a strain of producers that will continue to improve the quality of the flocks. By applying care and attention one will be enabled to become the breeder of exhibition fowls. At the last Hagerstown Fair seven prizes on the Brown Leghorn females were won by a single exhibitor who has less than a 20 by 40 back lot to grow his birds upon. Quality of this character in such numbers can only be grown from stock having the most superior producing qualities.

duced, every breeder of exhibition poultry should know the male and female which produces every exhibition specimen they have. When once identified, the hen that produces the greatest number

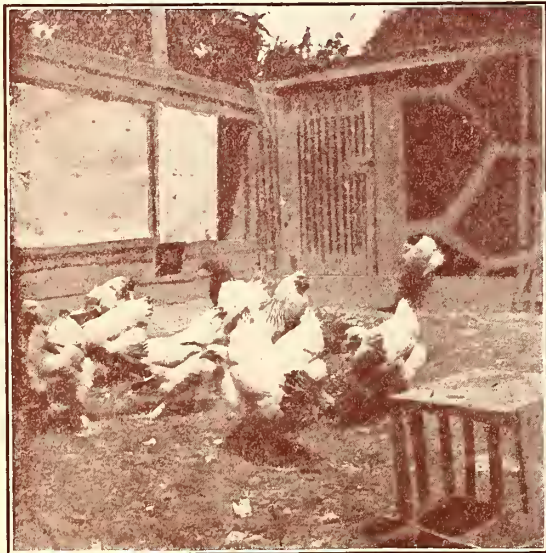


## THE POULTRY MONARCH

# The Stately Brahma



NO matter how popular other breeds or varieties may become, nor how enthusiastically their valuable qualities may be presented, they do not seem to change the drift of public opinion, which usually returns every few years to the realization of the worth of the Asiatic family, the most popular of which is the Light Brahma. The history of the original of the Brahma has been so thoroughly gone over in the past few years as to make it quite unnecessary for us to say more at this time than merely to mention the fact that the Brahma was the original American production in poultry. Although the foundation of their being came from the Asiatic countries, the selection of the light



SOME LIGHT BRAHMA BEAUTIES

from the darker gray colors, and pairing and selecting for quality was done by the New England fanciers, until the one was set apart from the other, and the distinctive qualities of the Light and Dark Brahma so positively settled as to create two distinct varieties of the most stately family of fowls is known to the poultry world.

Thousands of fanciers have been interested in building up, improving, and creating the finest quality to meet the demands of the Standard and the judges in the exhibition hall. No one seems to have been more fortunate along these lines than Mr. C. P. Nettleton, of Shelton, Connecticut. Mr. Nettleton is one of the oldest and most continuous breeders of the modern type of Light Brahma. The full realization of his superiority along these lines was demonstrated through the birds furnished by him to win the special cup award at the great St. Louis Exposition. Never was a finer lot set up for a special purpose. Each and every one was a gem of its kind.

Following this came the honors gained at

Madison Square Garden and other places. The final crowning effort of his life came in winning the magnificent cup offered at Hagerstown, known as the John L. Cost Trophy. This trophy has been won two years in succession by Mr. Nettleton, and now becomes his property. This was awarded for the best cock, hen, cockerel, and pullet in Light Brahmas to be shown by one exhibitor, and the cup to be won two years in succession. We were present at Hagerstown each year and saw the grand display made in these classes, and made the selection of the winning pullet of this year for a front page illustration to THE FEATHER. The half-tone, made from the original photograph shows the quality of the specimen as taken with the camera. The enlargement of the cover page tells its own story, showing to all interested in the Brahma fowl the grand quality that has been produced by Mr. Nettleton in this most valuable breed of fowls.

Nothing can be more desirable as a general purpose fowl than the Brahmas. When carefully handled for this purpose, they grow a most attractive broiler; nothing is more desirable for caponizing or for roasting fowls; they can not be excelled in any line of market poultry from the broiler to the old fowl. As egg-producers, they average with the best, the size and quality of their eggs making them most desirable in the market where the brown-shell eggs are sought after.

As a fowl for the exhibition hall none have been more highly cultivated for this purpose than the Light Brahmas. Years ago a moderate amount of rich black markings in neck, tail, and wings were accepted as sufficient for the highest quality. To-day the rich glossy centers of black in the hackle of the male and female, the rich brilliant black of the tail feathers of both, and the handsomely-laced tail coverts are only a portion of the elegance of finish that is demanded to win in the show-pen. The brilliant black of wing-flights now so common in the best specimens adds greatly to its attractiveness as an exhibition fowl and add much to the interest in producing them. All of these qualities demand the greatest experience to produce them. When we stop to consider the wonderful success that Mr. Nettleton has had along these lines, we must fully realize the fact that he is an expert in the production of the desirable quality in Light Brahmas.

For many, many years New England has been the home of the Light Brahma. The grandest specimens ever produced came from that locality. Boston has become the acknowledged show center, and the markets of New England seem to be best satisfied with eggs from the Brahmas, and the carcass of the Brahma fowl as superior market poultry. Being anxious that all our readers might fully realize the desirable qualities of the Brahma, we asked Mr. Felch to write for us his opinion of the Light Brahma as a fowl for the exhibition hall and for utility purposes. He writes as follows:

"It matters not how much has been written about them, there is always something more to be said in their favor, both as exhibition stock and for practical purposes in poultry and eggs for the farmer. The time has come when no breed can stand on its record as exhibition stock for securing a stronghold with the rank and file of breeders, for all breeds that fail at the egg basket and butcher's block have a short life, because of the diminishing sale to the breeders and exhibitors.

"Merit is the watch word for any breed, and especially so for the Light Brahmas when bred to the shape nature intended them to have. That is an oblong structure of body void of all excessive blocky shape. They should apparently show up as of equal breast and posterior weight with



ORIGINAL FROM WHICH COVER PAGE WAS MADE

body divided in line with shank. The plumage should adhere somewhat close to the body so that the well turned hock shows below the body line. Quarters should be well rounded out to give great prominence to breast. They should have good bay eye and good color in white and black.

"Such specimens are good for 150 to 175 eggs each year and will also hatch and rear a brood of chickens. To give the records of flocks in the past where they have reared an average of eight chicks to the hen, has been 155, 160, 161, 192. This last record was for a flock of eight birds which raised 64 chickens, while individual records stand to-day at 200, 232, and one record of 313 eggs in 333 days. Such has been their history. But every one was a close feathered oblong bodied specimen.



"The evil of showing Brahmas in too small coops when a standard shape and weight can not stand up free and clear has done too much to force the many families of Brahmas into short jointed breeding that they might look well in such coops. It has been a sad mistake. Coops thirty inches high, wide and long is the very smallest coop a proper shaped Brahma cock can stand in to show to good advantage.

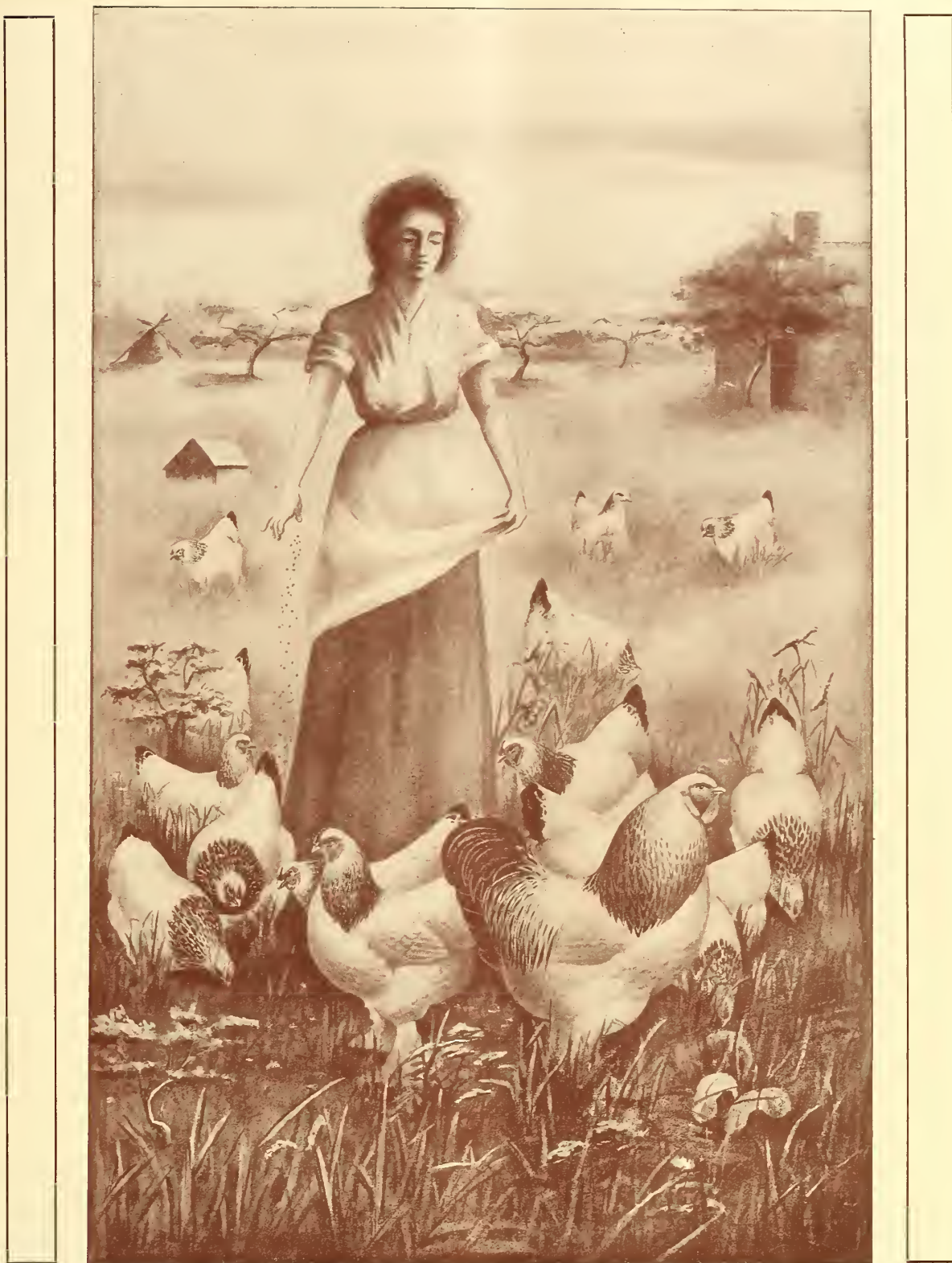
"When a flock of 75 birds average 161 eggs that weigh 27 ounces to the dozen they become hard to beat in weight of eggs. Yet some of these prolific flocks have individual specimens which lay them to weigh 34 and 36 ounces to the dozen, with the whole flock of 75 birds averaging 28 ounces to the dozen. It is strange that breeders of such birds can secure patrons to pay ten cents per dozen above the retail market price and to find customers that have and are continuing to pay 50 cents per dozen the year round for eggs fresh delivered every other day. This is one item of history for the breed which I know of no other breed enjoying.

"Now as to a breed for poultry, they make the largest and best capons. But we do not think it pays as well as to keep the young males in celibacy until they are nearly a year old. The season's cockerels are marketable in February, March, and April. The advantage is you have the selection for males for the breeding trade up to March 1st, when the surplus sells at within two to three cents as virgin cocks as compared to the capons. A bird remains soft for a roaster until it stops growing. The males that are hatched in May and June will keep on adding weight until April 1st, and there is not a breed living that will give you as many pounds for food as the properly bred Brahmas. We sold last April these young giants weighing twelve pounds dressed at three dollars each. Our patrons asserting, 'We prefer them to a turkey every time.'

"You may call this an exaggeration, but there is not an assertion above that is not a strict chronicle of fact to my personal knowledge in relation to this breed. As being profitable to the farmer and poltrymen, as exhibition stock have they not stood the test for fifty years and have they not sold for the highest average price, taking the whole flocks into consideration. We have seen the product of one male and eight females sell for \$2,234, at an average of \$7.50 per bird, and have seen many males sell for \$100 to \$150, and females from \$25 to \$50 each.

"It is the average sale both for exhibition and breeding stock as well as the surplus for poultry and the number and size of the eggs that brings up the grand aggregate of profit for any breed. In these days when the showman has to find a market for thirty to forty-five per cent. of grades in the poultry market and where every producer is looking amongst the exhibitors for an outlet for twenty per cent. of his best, one can see that the two interests are so closely allied that the up-to-date breeder is doing his best to make his flock the best possible to meet the demand of both these interests. This has made the Light Brahmas the best breed among all the Asiatic fowls, and it has no superior among other breeds when all interests are considered."

The above description by Mr. Felch unquestionably presents in the strongest terms the real value of the Light Brahma along the lines described by him. All over the country, where capons are grown to any extent, the Brahma seems to be the recognized standard of excellence. In the south shore districts of Rhode Island they are highly considered for the production of soft roasters; throughout New Jersey large flocks of them are seen, being made ready to meet the demand made in that locality for a Philadelphian roaster. In the far west you find



FEEDING TIME

them again highly considered by those who handle large amounts of poultry for the Eastern market as the most profitable for filling the orders for what is known as old fowl, referring to the largest and heaviest size of chickens that come into the market, which are bought by the large hotels and restaurants for cold duts, sandwiches, and salads.

There is scarcely a class in the grading of market poultry that can not be filled by the product of the Brahma, which can be plumped to a desirable condition at almost any age. When they are grown, having in mind the production of the greatest excellence for the exhibition hall, the culls give profitable returns as market poultry, while those of excellent quality sell at remarkably high prices for the exhibition hall and breeding purposes. What could be more desirable than a breed of fowls that can fill so many requirements in the poultry trade? Can anyone

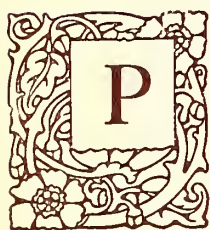
be surprised at the high position filled by the Brahma throughout the entire country, when they stop to consider the many desirable qualities possessed by them.

A number of criticisms have been lodged against the standard changes governing the selection of quality in the exhibition hall, the greater portion of which have been made without due consideration as to beauty and desirability of the exhibition specimens. The facts are that the present demands of pure white and black markings describe the most beautiful fowl of its kind that could be produced. The beauty, the popularity, and the interest attached to their production has made the Light Brahma one of, if not the most fascinating of exhibition poultry. These same beautiful and attractive qualities have started the ball rolling in favor of the Columbian Wyandotte, that has bedecked itself in the plumage of the Light Brahma.





## Pigeons As Food



AGE after page of how to grow squabs has run through the entire list of poultry and agricultural papers. We are all told that if we would succeed we must provide comfortable surroundings, cleanliness, and perfect sanitary conditions; that the Homer is the best selection for the growing of squabs at nine to ten pounds to the dozen; that it is only necessary to start the loft and success is gained.

To a certain degree, this is true, but the care of a loft of squab breeders is quite as particular a job as the keeping of hens, recorded in another issue of this paper. One who has had full experience along both lines seems to think he would rather risk his chances with the production of eggs for market, than with the growing of squabs. We are told not to inbreed, not to keep poorly mated pairs, to select the large hens, never to crowd the breeders, to keep but a limited number in a given space, to feed this and that, and to always close up the loft to prevent the cats or other wandering marauders from feasting on the young squabs. At the same time, we are told nothing whatever relative to the preparation of same for the table.

There are many ways of preparing pigeons for the table. Well do we remember in our younger days when ten or a dozen squabs would be killed and dressed for the table; these would be used for a pigeon pie, baked in the old-fashioned way with dumplings and potatoes with the squabs; within the crust and double upper crust were layers for the purpose of protecting the feet of the young squab which were drawn through the center crust and allowed to project above same, the upper crust being laid over the entire dish, all having been partially cooked before placed within the baking pan, the two crusts laid in position and the whole placed in the oven in sufficient time to entirely finish the cooking process. Just before being taken to the table, the upper crust was removed, the dish left

in the oven just long enough to slightly brown the little crust, giving the whole dish a novel appearance when brought to the table, the little feet of the squabs projecting in a dozen places through the pie.

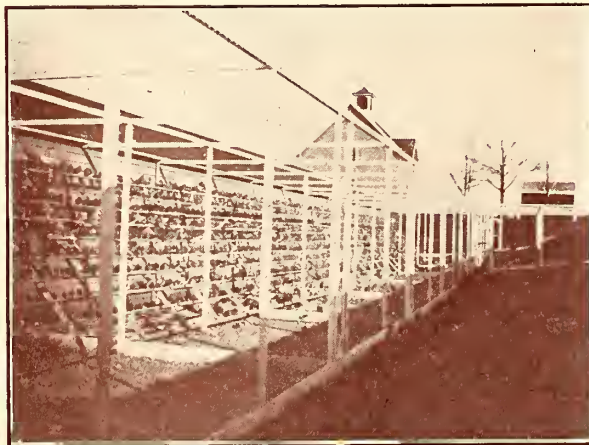
Older pigeons may be served in many ways, provided one has the patience to prepare them or fatten them for the table. Youngsters that have been from the nest a month or two may be fattened by being confined in small enclosures where they will not fly about, and fed plenty of rich fattening food, every night taking them in the hand and stuffing them as full as they will hold with boluses of fattening food, which may be made out of finely ground corn-meal, ground oats and a little flour with all the hulls or husks sifted therefrom. This is to be mixed with scalding hot milk, either sweet or sour, into a very dry dough, which can be stuffed down the throats of the pigeons with the thumb and finger, filling their crops as full as they will hold every night. Feed them well during the daylight hours, and their flesh conditions will quickly improve. Later pigeons may be fattened in the same way, but they do not respond to such treatment as quickly as do the younger ones. In

preparing the carcasses for food, the young squabs at four weeks old, just from the nest, should be dry-picked and plumped in cold water if to be sold to market. If for family use, the plumping is not necessary. In England, where the shipping of dressed poultry of all kinds is practised, they usually break down the breastbone of all pigeons sold to market. This gives a broader and fuller appearance of breast which does not add to their value of meat—only to their attractiveness in the market stall.

To make the best appearance in the market, old pigeons should have the skin removed from the entire carcass. An expert can remove the skin, feathers and all, almost as quickly from the carcass of a recently killed pigeon as a squirrel or rabbit can be skinned. Some people do not like the appearance of a skinned pigeon. For this reason, the young pigeon could never be treated in this manner, but the tenderness of an old pigeon is much improved by removing the entire skin with the feathers. In writing of the preparation of pigeons for table use, our worthy contemporary, Feathered Life, furnishes the following methods of preparation:

Modes of Cooking.—“The succulent squab may be served up in a variety of ways. We have not heard of their being so treated in this country, but in many of the best hotels and restaurants in American cities it is customary to put young pigeons on the table in the form of quail on toast, and so greatly are they appreciated that very few people, we are told, are able to distinguish one from the other. They are usually served broiled, and by many are preferred even to quail itself.

“When required for home use, they may be either cooked this way, or roasted, or braized, according to taste. To make an extra savory dish, veal stuffing should be used. It consists, as every good cook knows, of bread crumbs, chopped suet, sweet herbs, chopped parsley, a small quantity of grated lemon, and an egg, mixed together, with pepper and salt added. It may here also be mentioned that even grown pigeons—which ordinarily are not considered



SQUAB BREEDERS



tender—can be rendered quite palatable, and, indeed, delicious, by being stewed and eaten either in that form or made into a pie with steak added. When prepared in this way, the birds should be first of all cut in half, lengthwise down the back, and gently stewed in gravy. If the pie is intended for cold consumption, hard, boiled eggs from which the shell has been removed, should be used to fill up the hollows between the birds after these have been placed in position.”

The French, who have always been adepts at the culinary art, have many excellent recipes for cooking pigeons. Here are a few that have stood the test of experience:

**Roast Pigeons.**—“After trussing, cover them with three or four thin slices of bacon, and as many vine leaves tied round them with a coarse thread. Roast them on a spit, and baste them well with good veal broth and a slice of butter. If they are young and tender, half an hour is long enough to cook them. If they are to be eaten hot, dish them up as they are, simply taking off the thread which confines the vine leaves and the bacon, and serve them with sauce piquante, made by mixing a little mustard, salt, and tarragon vinegar and pepper with the gravy which comes from them. If the gravy is poor or short in quantity, add a little very good Florence oil.

“If the roast pigeons are to be eaten cold, as advised, they will keep a better shape if the thread is not removed till they are quite cold, supposing it to be intended to let the bacon and vine leaves remain upon them. In this case serve with a garnishing of water-cress, nasturtium, and borage flowers, and the heart-leaves of the cabbage lettuce. Let them be accompanied by a sauce-boat containing salad mixture. If the barding (as bacon so employed is called) and vine leaves be removed, the pigeons must be glazed, when they are half cold, with a glazing made by boiling



ENJOYING A SUN BATH

down the remains of a ham with a small knuckle of veal or a piece of shin of beef. Garnish with slices of lemon and savory jelly turned out of very small molds.

“To carve roast pigeons, cut them in quarters, leaving the portion of breast attached to each wing or leg that is helped.”

**Pigeons a la Crapaudine—Broiled Pigeons.**—“Select your birds which have the down still hanging to the tips of their feathers. Singe them, cut off the neck from the body, and split them open down the back. Flatten them as well as you can without breaking too many bones. Smear them with oil or butter, and sprinkle them with salt, pepper or parsley, and chives, minced fine. Make this seasoning stick on in as great a quantity as possible. Cover them also with

bread crumbs or raspings, or with grated biscuit. Lay them on the gridiron and grill them over a slow fire, which, of course, should be made with charcoal. When they are nicely browned and thoroughly cooked, serve them with a sauce made of verjuice or vinegar, salt, pepper, minced shallots, and a morsel of butter, or they may be served with the above-mentioned sauce piquante.”

It is worth knowing that broiled pigeons retain a better shape if held together with iron skewers, flattened and parboiled for ten minutes in a good veal broth instead of water, allowed to cool, when the skewers may be withdrawn. Treated thus, they are ready for the gridiron, and can be served at ten minutes' notice.

Mushroom sauce is considered the best relish with broiled pigeons.

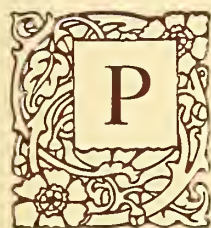
**Pigeons and Green Peas.**—“Truss the birds with their feet inside. Put the minto a stew pan with a piece of butter and some bacon cut into small pieces. Make them take a good color, and then add a quart of young, green peas and a bunch of sweet herbs, including mint for those who like it. Give them a toss or two over the fire, and then let them have a dusting of flour. Moisten with a little broth till they are done enough over a slow fire, and serve with only a very small quantity of gravy.”

**Pigeons en Papillotes.**—“Cook them gently in a stew pan, with chopped bacon, butter, salt, pepper, and nutmeg. When they are half done add some herbs, mushrooms, and a minced shallot. Care must be taken not to cook them too much. When they are cold, cut them in halves down the back and breast, cover them with their seasoning, and wrap them in oiled or buttered writing paper. Grill them a quarter of an hour over a slow fire.”

## The Sussex Fowl

By JAS. HEPBURN, JR.—A Sussex Poultry Expert

Illustrated from Photographs by the Author



PROBABLY in no variety of poultry as much as that of the Sussex is there to be found so full a significance of prolificancy and potentiality. As a utility fowl it is absolutely unsurpassed. Its possibilities as an exhibition fowl are great, while the velocity of its increasing popularity mark it out individually as the fowl of the future.

Originally it was a fowl known in the southern counties of England centuries ago, particularly in Sussex, from which county it derives its name, and where it was, and is to this day, celebrated as a table fowl, forming the principal supply of the London markets, where it has long been acknowledged the finest fowl on the market. Its breast being long, deep, and plump, and its flesh the finest both in texture and flavor, the greatest epicure would ask no more, for there is quality and quantity on a Sussex fowl—enough to gratify the most sensual and capacious appetite.

During the past ten years I have fattened a large number of these fowls for exhibition purposes, with very successful results, winning prizes, specials, and medals against all other varieties at the leading table poultry shows in



LIGHT SUSSEX PULLETS

England. I fattened a pair of Light Sussex cockerels (among others) for one of our largest summer shows, held in July last. They won first prize and medal for best pair in show. They were barely eighteen weeks old, and when killed and plucked turned the scales at twenty pounds. These were by no means the heaviest birds I have produced. They had not been forced, nor caponized, and were but ordinary chickens picked up from the fields and put on the cramming machine for three weeks, and fattened with

Sussex ground oats, mixed with skim milk. This, I think, illustrates to a degree the rapid growth and the fattening propensity of the Sussex fowl. The light variety I have proved the best for this purpose, fattening easily, and quickly carrying a large quantity of flesh on the breast, and having a fine white skin.

The Sussex in general manifests uniform laying qualities of unsurpassable excellence, but doubtless there are existant good and bad laying strains, as in all other breeds; yet I have never had indifferent laying under my notice. At the East Sussex Agricultural College, where seven different varieties of fowls are kept, of popular breeds and good laying strains, including Sussex, all fed and housed under exactly the same conditions, the carefully-kept egg records show that the Light Sussex have laid considerably more eggs than either of the other varieties during the past two years.

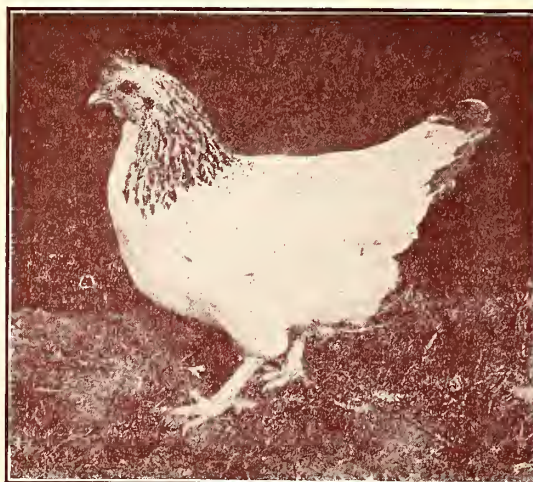
That they are excellent winter layers there is not the slightest doubt. In their ancestral homes, where they were bred and esteemed by our mediæval ancestors, on the farms and at the cottages in remote, rural Sussex, the most characteristic specimens of this honorable species may yet be found. On heavy, damp land, in cold, bleak situations, eggs are produced abundantly in the height of winter. Under these



conditions, fed chiefly on Sussex ground oats, chickens are reared in the good, old-fashioned way without difficulty by the assiduous Sussex henwife, who raises them for fattening purposes, and sells to the "higgler."

The hens are excellent, but not very frequent setters, and being deep and broad in shape, will rear large broods of chickens most successfully during all seasons of the year. I always make up broods of eighteen or twenty chickens per hen, at time of hatching, and seldom lose any. Mortality in chickens would be considerably reduced if this were practised more generally. The chickens are not so liable to become overheated, and while any parasites that may exist on the hen would not affect a large brood, they would soon become prevalent, and prove disastrous to a small brood of chicks.

Sussex chickens are exceedingly strong and hardy, and soon become good foragers. I know one gentleman in Sussex who, on heavy, damp land, breeds Game, Langshan, and Sussex fowls



LIGHT SUSSEX PULLET

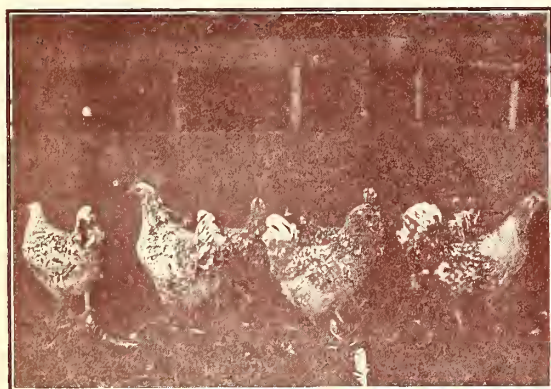
chickens in various broods comprising the three breeds, all the same age, the greater size and vivacity of the Sussex seemed incredible.

Until recent years Sussex fowls existed in a state of dormancy to the fancy; but in July, 1903, the Sussex Poultry Club was formed, and the breed recognized in three varieties, viz: Light, Red, and Speckled. In the following June, 1904, these fowls emerged to make their debut in the show pen at the Royal Agricultural Society of England's Show, held in London. The specimens exhibited were not good, were erratic, both in type and color, while the vitiation of other breeds was much in evidence, as would naturally be expected on this occasion. To the contrary, however, many visitors appeared to make them objects of much criticism. They had become enter-tissued, and had assumed many types extraneous to their peculiar characteristic beauty, which for years they were fast losing, owing to repeated crossing with other breeds. Vitiation can not be stamped or bred out in a day to suit the exigencies of the moment in the show pen, as evoked by the Sussex Club, in the standards of excellence drawn up and adopted for the breed.

Since the formation of the club, three years ago, it has to a rapidly increasing extent made progress toward the resuscitation of this very

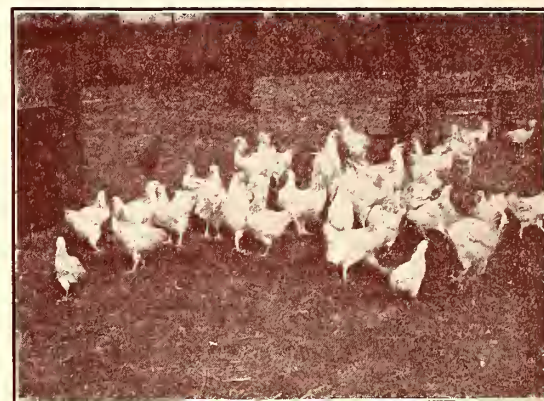
ancient breed of fowls, and is already one of the most popular specialist clubs in England, having one of the largest memberships, extending all over England, Scotland, Ireland, and France. At various shows throughout the country the club guarantees classes for the breed, and at nearly every show where the Sussex is classified offers for competition valuable cups, medals, and other specials.

At Lewes Fanciers' Show, held in November, 1905, with a classification for each variety, the entry was 181—an average of thirty exhibits per class—while the highest average of any other variety throughout the show being only nine entries. At previous shows the records are similar and this year the entries at Lewes have increased by fifteen. Lewes Show does not stand alone in this respect, for at many of the Luthern fixtures the Sussex classes are one of the chief features. It will be readily seen that the Sussex is already enjoying a general popularity in the exhibition pen. Quality is rising generally, and



SPECKLED SUSSEX PULLETS

solely as a hobby for exhibition purposes, and during the early months of this year reared some two hundred chickens. They were fed entirely on ground oats, biscuit meal, and wheat grain. The Game and Langshan chickens grew slowly, were inactive, somewhat weak and fragile, and many went over to the great majority. The Sussex thrived amazingly, and were strong, active, and healthy. On comparing the



BATCH OF LIGHT SUSSEX CHICKENS

competition is becoming keen, and many specimens exhibited recently are approximating the standards of excellence. At nearly every show one sees some of the Sussex claimed at catalogue prices, and many birds have changed hands privately at huge figures. Judging on some occasions has been most perplexing and distressing, and it is regrettable that the best specimens have not always won.

## Foreign Trade



THE uneasiness in business affairs leads to investigation of foreign markets. An attempt is constantly being made to gain better prices for American products abroad. Those best acquainted with these conditions fully realize the fact that almost all products sell for less money in foreign countries than with us. People must come to the full realization of the fact that every time wages are advanced the cost of living must keep apace with same. The producer, the owners of the manufacturing plants, and all those pay wages must sell their products at a profit. This profit is always calculated against every item of cost for production.

A foreigner who has lived in this country for twenty-five years and has been successful and who has just returned from a three months' trip to his home town, informed us that his father and brothers, the former a very old gentleman, were better off with an income of \$30 per month in his home town, than his son was in this country

on a salary of \$83 and over a month. Everything one must purchase in his home town sells for almost one-third less than here, butter and meat excepted. "But," said he, "these are holiday delicacies, sold and indulged in in my birth-place." Eggs sell at an average in the London, Liverpool, Glasgow, and Edinburgh markets at about two cents per dozen less than they sell in the New York and Boston markets, as calculated by the Boards of Trade at these localities. None but the highest grade of fresh-laid eggs could be sold in these foreign markets, even to cover costs. Only specially fattened, dressed poultry can be shipped from this country there to pay a profitable return.

These are the real reasons for the Western packers establishing the large packing houses or feeding plants for dressed poultry, as described in our May issue. Therein can be fitted for market poultry that will rival the finest sent to London market, enabling the Western packers to ship there and compete with the world.

The main reason for loss in handling products of this kind is due to the inferior quality when

made ready for market, and the careless methods used on the one hand for packing eggs, on the other, for dressing and shipping the dressed poultry.

If every producer of eggs and poultry in this country guarded their own interests as carefully as do the poultry growers of Sussex County, England, and Houdan, France, they would gain equal value for their products that is paid for Sussex and Houdan poultry and eggs in their home markets. Careless methods in gathering, selecting, and shipping the eggs makes the loss to the producer and the profit to the sorter at the great market centers. Those who grow their poultry poorly sell it at a low price and light weight to the packer who quickly fattens them and gains the great profit therefrom. In Sussex and Dorchester Counties, England, and in the poultry growing districts of France will be found in every locality numerous fattening plants which feed and fatten the poultry products into the finest condition for market on a per cent. basis, which pays the feeder remarkably well, and adds largely to the profit of the grower.



## Science of Breeding

By T. F. McGREW

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### More Eggs from the Hens



THE oft-repeated statement that he who makes two blades of grass grow where formerly grew but one, is a benefactor to all mankind, is not of nearly so much importance to the entire world as the ability to produce two eggs from the hen which formerly produced but one. Within the life of the writer thirty to forty eggs per hen was considered a wonderful accomplishment. To-day thousands and thousands of hens are producing three times that number, and many hens four times as many.

A careful investigation of the entire dairy interests of one of our important states revealed the fact to state authorities that more than half the cows kept were not producing as much milk as would actually pay for the food consumed. Many people do not stop to think that the cow that produces but three thousand five hundred pounds of milk in a year is only producing ten pounds per day, which is but five quarts of milk. This, if sold at 2 cents a quart on the farm, would bring but 10 cents a day income to sustain the cow, whereas, on the other hand, the same food would support the cow that would give seven thousand pounds of milk a year, double the amount and an income of 20 cents per day on the milk at the same valuation.

The same is true of the hen. Forty year ago, thirty to forty eggs per year was all that was thought of from the average hen upon the farm. Those eggs at 2 cents apiece would not buy sufficient grain to feed the hen, but at the present time, with the same food and better care, the hen produces a hundred or more eggs a year, which brings, at the same valuation, \$2 from the hen, leaving a profit over and above the cost of the feed of more than \$1 from each hen. Those who are so fortunate as to have one hundred forty to one hundred fifty eggs per year from each hen gradually grow rich, pay the mortgages on their farm and ride in better carriages, behind better horses than ever before.

Some imagine that there is a secrecy about the management of hens to have them lay as many as one hundred twenty and one hundred fifty eggs per year. These if secrets may be enumerated as follows: First of all, standard bred hens of some well-selected variety that have been bred for egg production. These properly sheltered from cold, rain, and dampness during the winter months, and fed as they should be, will always produce not less than one hundred twenty, oftentimes as many as one hundred seventy-five to one hundred eighty eggs per year.

If the readers of THE FEATHER will look up the articles "Proper Feed" and "The Value of Milk as a Food," both of which are in the series of articles termed

'Science of Breeding and the Management of Utility Fowls,' they may learn therein much that will be of great value to them. To avoid repetition, we will not give in this article the methods of feeding and caring for the hens more than to say that they must be sheltered in a house suitable to protect the hens. These houses must have a dry interior, with dry floors, good sanitary conditions, and plenty of proper ventilation, but no draughts blowing through same.

In addition to this these dry floors must be covered with dry straw or litter of some kind, into which all the grain ration must be thrown. Do not imagine that two or three inches of litter is sufficient; twelve or fourteen inches of good, dry litter is not too much. If the litter, however, is damp and heavy, a less amount is too much. The secret of success in the use of litter is to have plenty of it that is thoroughly dry and crisp so as to be light and easily moved about when the hens scratch therein for food. If it is damp and heavy it is too laborious work for the hen to accomplish, and she will not continue to work even for food beyond the point of exhaustion, which comes much too soon if the litter is damp and heavy. Dry floors, dry litter, and very small or broken grains guarantees success in feeding poultry during the winter months.

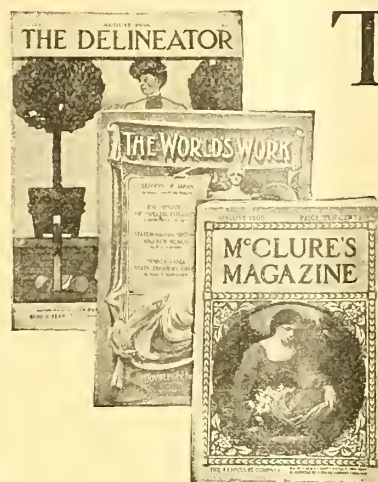
It is the combination of proper breeding, proper feeding, proper housing, and proper care that brings the large egg yield during the winter months. When this combination is destroyed by the absence of any one or more of the requirements, or through the neglect of having them as they should be, the link of the chain is broken, more or less disorder results, with the inevitable conclusion, fewer eggs from the hen. Thousands who succeed follow it as an absolute law of nature which must be adhered to. The thousands who fail to do so from neglect on their part to do as they should to assure the full egg yield.

There is no use laughing or joking or side-stepping on this proposition; it is a dead, open and shut problem, that can only be solved through the absolute rules which must be followed, and whenever there is an attempt to solve the problem in any other way which neglects the primary principles, failure is the result.

Eggs produced by hens are created from the surplus food which she consumes over and above the supply actually necessary to support life, warmth, constitutional vigor, and to build up and sustain the tissues of the body. From all the food the hen eats, she first selects for her own sustenance. Following this, she selects for the egg supply. Whenever she has had a surplus of the right character she produces the eggs. Whenever deprived of this essential surplus, the egg-

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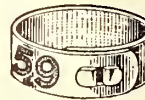
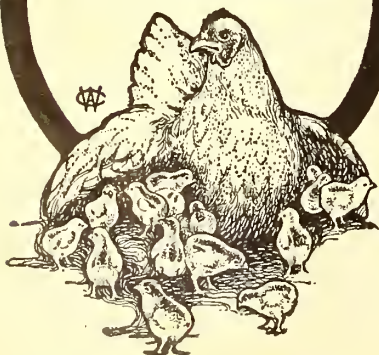
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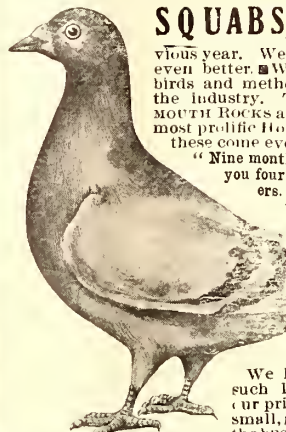
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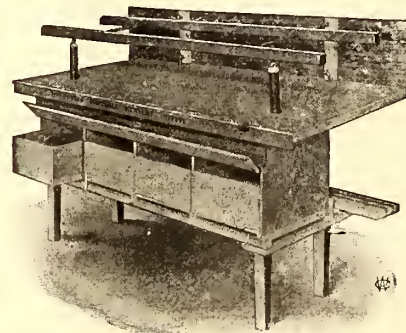
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## Science of Breeding

(Continued from page 21)

yield degenerates. For these reasons, the  
strict adherence to the proper laws for a  
large egg production as above hinted at,  
must be followed to the letter.

### DWINDLING PRODUCTION

When confronted with the statement  
that the pullets from the first, second, or  
third generation of a grand lot of laying  
hens have decreased in egg production, we  
know at once that degeneration has come  
from some cause created through unnatural  
proceedings. Oftentimes a flock of a few  
hundred hens, with a sufficient number of  
male birds, are set adrift to shift for them-  
selves. The first year's product hatched  
from the eggs laid by this lot of hens may  
be of superior quality as a lot. However,  
the frequent visits of the huckster in quest  
of eggs and live poultry may have been  
so encouraged through the permission to  
select as he choose, his sharp eagle eye  
always gathering in the finest and most  
thrifty of both the old and young stock,  
as to lower the quality of the flock year  
after year. The finest and most thrifty  
hens are always the best laying hens. The  
finest and most thrifty pullets are certain  
to follow in their footsteps. But when  
the huckster or market poultryman is per-  
mitted to pick up all these and trundle  
them to market to kill, the poor wastlings  
left are but a sorry lot to continue the  
next year's production and increase of  
stock.

When this same plan or method has  
been continued in through two or three  
generations those that are left will be  
narrow in breast, slim in body, and  
frail in abdomen; weaklings in compari-  
son to the grand, fine, noble ancestors  
which began as the nucleus of the flock.  
On the other hand, where sense and judg-  
ment has prevailed, the huckster is not per-  
mitted to select for himself. Only the  
poorest and least desirable of both old  
and young stock is selected and sold to  
him. He is not permitted to carry away  
a single high-quality, valuable specimen  
from the farm. The cream of the whole  
flock, both old and young, is kept upon  
the farm, having in view the purpose of  
bettering rather than destroying the vital-  
ity and value. The result of this is that  
each year when the huckster comes, he  
finds better and better quality, the second  
year's culls being fully the equal of the  
original purchase. The third and fourth  
years, he finds that the culls of the flock  
are better than were the cream of same  
two years prior to this time. The differ-  
ence between the one method and the  
other is that the huckster continues to cull  
and buy from the latter at better and bet-  
ter prices all the time; the eggs are better  
and there are more of them. Securing a  
large quantity of both eggs and poultry  
from the same place enables him to pay  
more for both; he is benefited, the seller  
is benefited, and the customer who pur-  
chases this better quality is anxious for  
more of the same; while, on the other  
hand, the neglected, degenerated flocks  
can only be sold when the crop is short,  
and often then the price is below that  
which is profitable in the sale of poultry.  
The first instance is an illustration of  
what might be termed burning the candle

at both ends, the final result of which is  
nothing left on either side; while in the  
latter case, the burning paper continually  
supplies itself with inexhaustible material  
that continues to grow brighter and  
brighter as the stock improves, leading the  
purchaser direct thereto with the assur-  
ance of always having the best results.  
On the one hand, improvement is gained  
by selecting the best and through the sur-  
vival of the fittest, while on the other  
hand, degeneracy is forced by pulling  
from under the foundation the vitality,  
the very existence of the stock which must  
be maintained or success will never be  
secured. This same law governs breeding  
poultry for exhibition purposes. Where  
the best females are always selected for  
exhibition purposes and kept and used  
exclusively for breeders, improvement  
follows. Inbreeding in the right way may  
be done in a manner which brings  
surprising improvement. On the other  
hand, inbreeding as usually managed re-  
sults in injury, loss of vitality, vigor, and  
size, and eventually removes every chance  
of success through the infertility of the  
eggs produced

### NEW BLOOD

The question of the introduction of new  
blood into the flock of poultry needs much  
more consideration than has ever been  
given to it. For the production of exhibi-  
tion poultry where the one desideratum  
is having the finest form and color for  
exhibition purposes, new blood should be  
most cautiously fed into the strain, and  
always through the females. One has  
only to stop and consider the influence to-  
ward the improvement of form and color.  
It is a thoroughly well established fact  
that shape, color, head points and elegance  
of finish comes largely from the male,  
while strength, size, vigor, and general  
breed characteristics is influenced quite as  
much by the female as by the male. The  
predominance of exhibition qualities of  
head points, elegance of finish and color  
being so largely influenced by the male,  
one should hesitate considerably before  
disturbing the strain through the use of a  
male from another strain, no matter how  
attractive he might be. The hereditary  
influence of your own strain of male birds  
having been thoroughly well established,  
do not disturb this unless there is a weak-  
ling along that line.

When new blood is needed in this di-  
rection, procure one or more females (hens  
in their second year to be preferred) of a  
well known strain, have these hens as  
perfect in exhibition qualities as it is pos-  
sible to have them. Mate these with one  
of your own best male birds, study well  
the product from this. If of a quality  
that assures safety in using both the males  
and the females from this cross, it may  
be done; if there is any hesitation, how-  
ever, use only the females from this cross,  
and if possible mate them back to their  
own sire to establish in them the quality  
you would have, and thus gain the com-  
bined advantages of quality and new blood  
from the second generation.

In this way new blood may be intro-  
duced into the finest line or strain of  
producers. It is not safe, however, to





## Science of Breeding

(Continued from page 22)

make violent introduction of the male bird whose influences is one-half. But the strength of these same male birds may have such influence over the strange females as to improve the flock in a very short time, a change which may easily be made without danger.

Inbreeding may be carried almost to an excess, providing each season the strongest, largest, and most vigorous specimens, especially in the females, are selected for future breeding. In this selection, always keep the pullets without using their eggs for hatching until they are hens, then mate them in their second year to the cockerels coming one year old. The hens of 1905 mated in 1907 to cockerels of the same strain produced in 1906 is an ideal plan to follow in building up a strain, even to the extent of close inbreeding. In following this method, if only strong, vigorous females are used, it would be astonishing to see to what extent one may go without the introduction of new blood. It is possible to carry this into the seventh and even into the ninth generation without the introduction of new blood. Whenever this is followed, however, there should be coming on for renewing and upbuilding the specimens that have been created through the use of the high-class females mentioned above.

On the other hand, in utility or market poultry flocks, the exactly opposite plan must be followed. Remember the necessity of the full breast and crop. The full, round, long body, with very prominent wide abdomen for handling the food and reducing same for assimilation and the manufacturing of same into eggs is essential. Such strong, healthy vigorous hens are the kind to select for the utility flocks. Thin, narrow-breasted, closely constructed bodies and abdomens are not the conformation for egg production, nor for the production of market poultry. If you are looking for thin-breasted, short-bodied, narrow-backed poultry you can most certainly produce them from hens of the same character. If you are looking for hens broad-backed with full, plump breast, wide at the thighs and a full meat production, expect to breed them from hens of like character. When possessed of a flock of hens of this character, either breed for yourselves or secure at least every two years a supply of fresh, new blood in the shape of strong, vigorous, early hatched cockerels that have the formation you seek in market poultry. Such new blood, of absolute health and vigor, mated to the hens as described must produce the kind of market poultry hoped for and a large per cent. fertility for hatching in the eggs. The old Kentucky theory of producing the race-horse, the beef and milk cattle, by following the winner, referred to a practise which might be most profitably applied to growing poultry. This meant if you wish to breed a race-horse you must breed him from a family of producers. If you wish to breed beef cattle, they must come from a family of producers. The same with dairy cattle, sheep, or hogs.

If you go upon the poultry farm and see that the flocks of hens consist of

narrow-breasted, long-legged, poorly developed body and abdomens, and male birds of like character with them, it is not necessary to look into the brooder houses or the killing rooms to know that you will find ill-favored market poultry. On the other hand, if you see a flock of plump, well-rounded attractively formed males and females, you know that from these must come plump broilers, fryers, young and old roasters, the only kind that it pays to produce. Every one has it in his hands to select the producing stock. If this is badly selected, badly mated, and continued in, no profit will be made from keeping poultry. Profit in any kind of live-stock growing comes from having the best, all one kind to sell to the market, for such as this is the kind that brings the profit and it is all produced in the one way only—that of selecting the best of producers.

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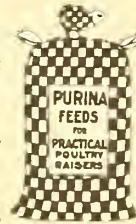
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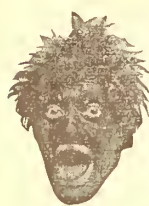
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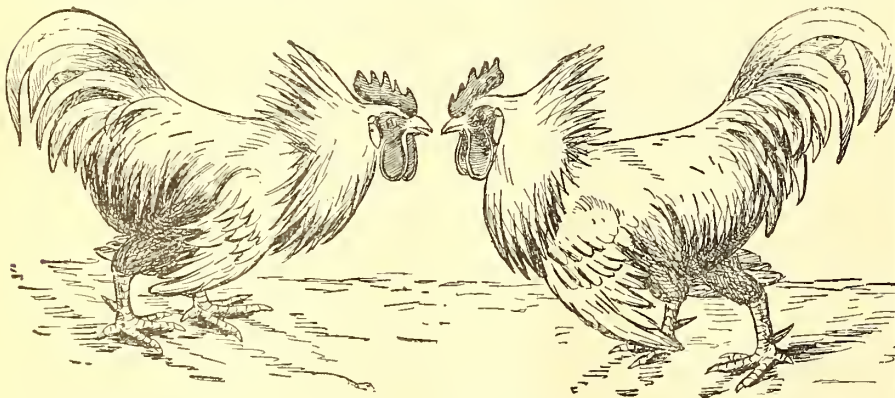
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12-3



## GRIT

**N**ATURE has not furnished birds with teeth, but it has furnished them with gizzard mills, which must be provided with grit. **Mico Spar Cubical**

**Poultry Grit** contains the right proportions of sodium, aluminum, magnesium, lime and iron, and does the work. Given to poultry with their food it promotes their health and growth, and causes the hens to become money makers. This grit may be bought of leading poultry supply houses. If you are in doubt as to its value, write and let us send you some of our many testimonials from the largest dealers and poultrymen in this and other countries. Samples FREE upon application.

INTERNATIONAL MINERAL CO.

New Haven, Conn.

12-6



## Questions and Answers

### HANDLING INCUBATORS



AN you tell me whether it is absolutely necessary to take the eggs from the incubator every day and turn them? Must one trim the lamp of the incubator and brooder twice a day? How is one to know the proper temperature that should be continually kept within the machine?—J. V. L.

A. Yes, it is absolutely necessary to take the eggs from the incubator at least once in every twenty-four hours and keep the eggs outside of the egg chamber from ten to fifteen minutes. They can be turned over from one tray to another, or may be moved about with the hand. As to the trimming of the wick of the lamps of the incubator and brooder: We never trim them with a pair of scissors; we simply remove the charred particles from the tip of the wick with our thumb and finger, finding this better than the use of shears. The wick must be kept clear of the cindered or charred portions which accumulate where the flame burns continually, as is necessary in these machines.

### OVER-FEEDING

Q. This spring we had considerable trouble with infertility of eggs. Quite a number of my hens drop from the roost at night, and lay dead in the morning. Many of the young chicks that were hatched seemed to lack vitality. Some of my hens are very heavy behind, as if carrying a weight in the abdomen. What is the cause of this?—H. J. L.

A. Evidently the trouble comes from over-feeding with fattening foods, which caused apoplexy and killed the hens, lessened the egg yield and reduced the vitality of the young chicks. Obesity is almost a disease. The unnatural shape of the abdomen shows plainly an accumulation of fat. If you have a free range for your poultry, do not feed them anything at all until they recover from this trouble. A little oats may be fed them once a day, but if they have a good range to go over, where there is plenty of grass, bugs and worms, they will pick up plenty for themselves. Otherwise feed a little oats until the trouble has passed.

### INSECT VERMIN

Q. Have lost hundreds of young chicks and nearly all the turkeys and young guineas that I have hatched this season. They stand around with their eyes shut and peep and peep as if in great distress. When they run about, they seem to drag one foot after them as if unable to lift the weight thereof. What can the matter be, and can be remedied?—S. G. T.

A. Evidently your stock is being devoured by insect vermin; hen lice, chicken lice, head lice and mites must be very plentiful indeed about your place where the poultry is kept. If you will get some good insect powder, or buy some Per-

sian insect powder at the drug store, and thoroughly dust all the young stock and the old stock, clean up the premises, use plenty of liquid lice killer, and read the articles in THE FEATHER month after month for the destruction of lice, you will be rid of this pest; otherwise it will destroy all your stock.

### MOST CERTAINLY WOULD

Q. Would you advise plastering the inside of poultry buildings. I do not count the cost into this matter, but have wondered whether it would help in gaining a dry interior, or whether it would be of any benefit or not?—W. H. B.

A. Nothing is better for the inside walls of the poultry house than plastering them. This leaves an air space between the walls. If this air space opens into a loft above the living rooms, it adds considerably toward having a dry interior during the winter months. It naturally makes a cooler house in summer and a warmer one for winter.

### OUR FIRST EXPERIENCE

Q. Can you tell us how to cure gapes in ducks and geese? Our ducklings and goslings seem to be troubled with gapes the same as young chickens in this locality. We do not know what to do for them. Can you tell us any means or remedy for removing the same?—E. R. F.

A. We never knew water-fowl were troubled with gapes; if they really have gapes, the only cure for them would be the application of the same remedies recommended so often in the columns of THE FEATHER. Look this up in recent numbers and try the use of same. If any of our readers have had any experience with gapes in water-fowl, would be pleased to hear from them.

### MAY BE CHOLERA

Q. A number of our old hens, some of the mother hens and young turkeys are troubled with what seems to be an incurable diarrhea. Some live three or four days, some a week. Have not been able to cure any of late. What can I do for them?—T. R. M.

A. There is a disease prevalent among turkeys called blackhead, which acts very much like your description of the ailment in your flock. The ailment with the hens may be cholera. So little can be done for any of these ailments as to quite discourage one in its treatment. Blackhead in turkeys is a liver trouble which comes from inbreeding. This can be remedied through the introduction of new blood into your flock. Remove the grain ration from the ailing fowls, mix some gum camphor in their drinking water by tying same in a rag with a stone attached and dropping into the drinking vessel. Feed only wheat and stale bread, plenty of green food and grit; thoroughly clean up the quarters and remove all contagious possibilities.





## Questions and Answers

(Continued from page 24)

### REASONABLE ENOUGH

Q. May I ask you a lot of questions? What is granulated bone, and green-cut bone? Is one as good as another, and how are they used? What are red mites, mentioned in the papers? How many hens can go with one mating? Are sunflower seeds good for poultry? Have they any food value for egg production?—J. L. N.

A. Green cut bone is fresh bone from a meat shop run through a bone cutter and cut into small particles. Granulated bone is dry bone that has been ground up fine by the manufacturers. It is not as good as green cut bone, but answers the purpose very well as carbonated lime product for the poultry, but it lacks the meat and protein of the cut green bone. Mites are very small lice which congregate by the thousand underneath the roosts and in the crevices of the poultry houses. They hide there all day and swarm out at night upon the bodies of the poultry. When full of blood they are red; when empty, very dark colored. They are the pest of a hen-house and should be removed. The mating of Leghorns, from fifteen to seventeen hens with one male—a larger number when on free range; the larger birds, from four to seven with each male. Sunflower seeds are considered valuable to feed poultry during the molting season. They are an oily food thought to be beneficial in the brightening of the plumage of poultry. They are of but little value as an egg-producing food.

### BAD COMBS

My fowls are covered with soreness of the comb. White scales and sore places form all over them. Will it injure them as breeders? What is the matter and how can I cure it?—C. M. J.

A. This scurvy is something like eczema, sorehead or other like ailments. Some call it white comb in poultry. It comes from a ailment of the blood; it is very difficult to cure. A thorough treatment with Epsom salts, iron and quinin tonics for a number of months might remove the ailments. We would never breed from such poultry. It does not injure them otherwise, unless the sore places become laoderated and canker. When this comes they should not be used for food.

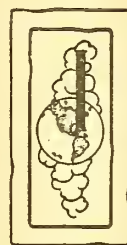
### EVIDENTLY BRONCHITIS

Q. Kindly inform us the nature of the disease of rattling in the throat, as if the fowls had phlegm in the throat. This trouble in the chickens prevents their eating and they appear to be very much under the weather.

A. The rattling in the throat is a bronchial trouble, the same as bronchitis in the human family. Seldom, if ever, can this be cured in poultry. We fear that your fowls are also troubled with canker in the throat. Open the mouth and examine the throat and the windpipe thoroughly and see if there is any canker or white patches gathered thereupon. If

there are sores of a cankerous nature in the throat, would advise the killing of the ailing fowls and burying them deep in the ground, or burn the carcasses. A mixture of equal parts of castor oil, sweet oil, and a teaspoonful of turpentine to four ounces of the mixture may be used in swabbing the throat. This sometimes gives relief.

## Guinea Fowls



IN MANY localities the guinea hen is considered as a kind of a novelty or nuisance about the place. It does not seem to be thoroughly well understood that the eggs of the guinea hen are highly valued by bakers for cake making, and that the young guinea fowl will bring the highest price of any broiler upon the market. If more attention were given to the selection of the breeding stock, preventing too close inbreeding and providing a separate house away from the chickens for the guinea fowls, their cultivation might become more general and profitable. Guinea hens may be taught to live and rear their young almost the same as chicken hens. The trouble experienced from keeping guinea fowls in buildings or poultry houses is the overpowering influence of mites and lice upon them. They are much more easily destroyed by lice and mites than the chickens. The young of the guinea hen scarcely exist at all when once attacked by lice or mites, which quickly destroy them.

Guinea hens live out in the open, build their nests or select their nests under an old stump, a stone, or in some out-of-the-way place. When once they locate their nest and lay a few eggs therein, they continually remain about this locality, and it is not difficult for this reason to locate their nests and take from them part of the eggs. These eggs may be placed under chicken hens or the guinea hens themselves. When either of these are permitted to hatch the young guineas, it is well to confine the mother and young as soon as the young are hatched and keep them near at hand where they can be looked after and properly fed and cared for a short time until the young guineas become of a size that enables them to follow the mother about and withstand the strain of traveling so far in a day.

In some localities, the merchants will not purchase guinea eggs, but if those who have them for sale would carry them to the bakeshops, the bakers, as soon as they know of their value, are very glad to secure them, for they can be used to a better advantage in cake-baking than any other, excepting duck eggs. Duck eggs are the most valued in the bakeshop, guinea eggs being a close second.

Guinea hens, like turkeys, are of a roving nature; guinea chicks, like the young poults are easily destroyed by dampness and inbreeding.

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Barred Rocks, America's Best "Utility and Beauty" strain. Prize winners and world's greatest layers. A grand lot of Cockerels, the best we ever raised. \$3 and \$4 each. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-4

I Am the White Plymouth Rock Man. My White Plymouth Rocks are U. R. Fishel's strain direct. They are very fine in all sections. They are just what you want. No matter where you live or what you do you want some of my White Plymouth Rocks. Descriptive circular free. Correspondence cheerfully answered. Write to-day. COOLSPRING POULTRY YARDS, Plummer McCullough, Prop., Mercer, Pa. 12-4

Choice Cockerels at Low Prices From Our Winning strain of Blue Barred Plymouth Rocks. Also, a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-4

Jersey Strain White Rocks Always Please and Win. Choice Breeding and Show Stock for sale. SPRINGER BROS., Bridgeton, New Jersey. 12-3

Barred Rocks and White Leghorns.—Have Some very fine pullets \$1.50 each. Eggs \$2.00 per 15. \$10.00 per hundred. SHAWNEE POULTRY FARM, R. F. D. No. 22, Louisville, Ky. 12-33

Only Buff Rocks Since 1895.—State Cup Winners 1904; Boston, 1905 2d pullet; '06 1st pen. Stock for sale. P. W. NOYES, Quaker Hill, Conn. 12-3

Barred Plymouth Rocks.—Cockerels and Pullets for sale at \$1.50 apiece. Also choice White Wyandottes. EDWIN A. DANIELS, 426 S. 11th St., La Crosse, Wis. 12-3

Selected "Fishel" White Rock Cockerels.—Excellent breeders and show birds at reasonable prices. Especially good in color. W. P. NORTHUP, R. No. 2, Addison, N. Y. 12-3

Bradley Strain Barred Rocks Exclusively. Bred for constitutional hardiness, early maturity, prolific laying. Double mating. L. W. WALSH, Box 248, Lynchburg, Va. 12-3

Buff Plymouth Rocks and White Wyandottes.—Golden Nugget and Fishel strain. Cockerels and pullets from choice matings for sale. Cockerels, \$2.00 to \$5.00; pullets, \$1.50. MRS. HARRY FARNHAM, Vermillion, Ill., R. R. 32. 12-3

Dunderberg White Rocks. Fishel Strain, Pure white, heavy layers. Eggs \$1.50 per 15. \$8 per hundred. March and April hatched pullets and cockerels. DUNDERBERG POULTRY YARDS, Tomkins Cove, New York. 12-4

D. Curvin Kaltreider, Redlion, Pa., Has For sale his entire flock, 500 Buff, Barred and White Rocks and Buff Orpingtons, consisting of his 1st prize and cup winners at the largest shows of America at \$2. Ten or more at \$1.50 apiece. Must be first class, or will return money. 12-4

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock eggs, etc. H. E. MATTOCKS, Oakland, Ill. 12-1

Buff Plymouth Rocks. Nuggets. For Sale at reasonable prices. Fine cockerels hatched from my Fort Wayne prize winners. Satisfaction guaranteed. ED. RISSER, Middlebury, Ind. 12-4

Barred Plymouth Rocks. 100 Grand Cockerels for sale. These cockerels were bred from my 1st and 3d prize winning blacks at Scranton, Pa., 1906. J. H. HAZLEDINE, Bloomsburg, Pa. 12-4

For Sale.—Buff Plymouth Rock Cockerels. Kulp's strain. Raised on free range. Low price. THEO. MCGOWAN, Brookland Park, Richmond, Va. 12-4

Barred Rocks Exclusively Since 1890. Ringlet and Bradley Bros. strains. Stock and eggs for sale at reasonable prices. Satisfaction guaranteed. F. S. WEIMHOLD, Denver, Pa. 12-5

Barred Plymouth Rocks; Pullets and Cockerels; Bradley Bros. strain; \$1 each. A. G. WEAVER, Front Royal, Va. 12-3

Buff Rocks (Nugget Strain), Large, Handsome, vigorous breeding cockerels and fine breeding pullets at half price. Will surely please you. ARTHUR TAYLOR, Washington, N. J. 12-5

Barred Rock Hens; One and Two Year Old; through the molt. \$1 each; \$10 a dozen. Must be sold before winter. M. A. HUTTON, Clopper, Md. 12-5

150 Barred Rock Cockerels, Thompson's Ringlets, Ridgley's and N. J. R. laying strain. Bred right, fed right, and reared right. Send for circular of Barred Rocks and N. J. R. breeder. NATIONAL JUNIOR REPUBLIC, Box 16, Annapolis Junction, Md. 12-5

Buff Rocks Exclusively. World's Fair Winners. More prizes at state fairs 1904-05-06 than thirty competitors combined. Breeders or show birds from my second Madison Square cockerel; thirty-five competing. EDGEWOOD FARM, Ballston Lake, N. Y. 12-8

Barred Plymouth Rocks Exclusively. Stock For sale. \$2 each; \$5 a trio; \$18 a dozen. J. F. SMITH, Remington, Va. 12-5 3t

Buff Plymouth Rocks. The Original Gold-coin birds. We have a grand lot of cockerels of good buff color to dispose of at \$1.50 each; also a few high-class pullets at \$2 each. These birds are no experiment. Order now and get the pick. Satisfaction guaranteed. JAMES KUGLER, Jr., Route 1, Frenchtown, N. J. 12-5

Barred Plymouth Rocks, Thompson Strain. Cockerels \$2 to \$5; trios \$5 to \$10. Farm raised; eight years a breeder. WM. I. PALMER, West Pawlet, Vt. 12-5

### LEGHORNS

Mrs. C. W. Harrington, Harford Mills, N. Y.—Buff Leghorns exclusively. Cup winners in 1904 and blue ribbon winners in 1905. Breeding birds and young stock for sale. 12-6

For Sale.—Prize Winning Single Comb Brown Leghorns, 21 years a breeder of this variety, and won hundreds of prizes. E. S. SCHALLER, Clark, Pa. 2-5

Rose Comb White Leghorn and Single Comb R. I. Red Cockerels from premium birds; low tails, good size, reasonable price. INGELSIDE POULTRY FARM, Westfield, Ind. 12-3

S. C. Brown and Black Leghorns.—Black Minors. Stock for sale. \$5.00 trio up. N. B. WARNER, Hamilton, Va. 12-3

Single Comb Brown Leghorns.—Stock Bred From my Pittsburg, Allegheny, Canal Dover and Cincinnati winners. FRED H. COOK, Beaver, Pa. 12-3

White Leghorns.—Wyckoff, Blanchard, Van Dreser, and a grand exhibition strain. Pure fine stay-white birds. Nothing better for eggs or show. Write. LE ROY SUTTON, Morenci, Mich. 12-3

At Albany C. H. Wilcox, of Worcester, N. Y., won on Buff Leghorns, 1st cock, hen, pen, pullet, and 2d and 3d cockerels. \$1.00 np. 12-3

For Sale.—S. C. White Leghorns, Wyckoff Strain. Fine April hatched cockerels and pullets. Bred from prize winners. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-3

America's Best Single-combed Buff Leghorns. Exhibition and utility stock for sale. Winners at Haegstown, Trenton, Harrisburg, Lititz, Saratoga. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-4

Black Leghorns. Rose- and Single-combed. Bred for size, laying qualities, and exhibition. Booklet of information free. Guaranteed full blood. EDWIN E. SITGREAVES, Phillipsburg, N. J. 12-4

Kulp's Rose-combed Brown Leghorns. Breeding pens, \$7 to \$10. Cockerels, \$1.50 each. Circular free. GEORGE L. JACKSON, Gosben, N. Y. 12-4

Single-combed Buff Leghorns. Cornell-Wyckoff strain. Winners and layers. Stock for sale. Eggs in season. MURRAY SWARTWOUT, Groton, N. Y. 12-4

R. C. Br. Leghorns. (Kulp's Strain, Pure, Female line.) Yearling hens, pullets, and cockerels, \$1 each. WM. A. GAFFEY, South Worcester, N. Y. 12-4

R. C. White Leghorns. No More Stock For Sale, but eggs in season; \$1.50 per 15; \$2.50 per 30; or 100, \$6. R. W. PRICE, Troy, Pa. Successor to Price & Tobin. 12-4

S. C. W. Leghorns. Fine Trios at \$3, \$4, and \$5; single birds \$1 and upwards. C. C. COBLE, R. 1, Middletown, Pa. 12-3

Single-combed White Leghorns. Eggs for Hatching and little chicks from fine standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

Kulp Direct Brown Leghorn Cockerels; Scored 90 to 94% (Helmick); \$1 and up; extra fine Rankin direct Pekin ducks; extra large. OSCAR WELLS, Farina, Ill. 12-5

A bargain in S. C. Buff Leghorns. Entire Stock young and old \$1 to \$2 each. MISS J. R. JONES, R. F. D. 1, Tobaccoville, N. C. 12-5



**Prize Winning Rose-Combed White, Single-combed Brown Leghorns; Barred and Buff Rocks.** Stock from birds that score to 96, \$1 up. FRANK WENDT, Alden, Minn. 12-5

**Buff Leghorn Cockerels, \$1.50 and \$2 each.** Shaggy kittens for sale. Mail orders promptly attended to. PLEASANT VIEW FARM, R. D., Rockland, Maine. 12-3

**800 Yearling Leghorn Hens and Pullets for Sale** at \$1 each, in good healthy condition, at the PINE TREE POULTRY FARM, Stockton, N. J. 12-3

**Single-combed Brown Leghorns \$15 Per Dozen;** one fine cockerel free with each dozen pullets. No better anywhere at any price. L. S. CARTER & CO, Hammond, Platt Co., Illinois. 12-5

**200 Fine Rose-combed White and Brown Leghorn Cockerels for sale;** also pullets and hens. Prices right. J. W. COOK, Route 7, Blufoton, Ind. 12-5

## WYANDOTTES

**Stay-White Wyandottes, Satisfaction. Positively guaranteed.** Eggs, \$1 per 13; \$5 per 100. 75 to 90 per cent. fertile. Correspondence promptly answered. W. E. SIOEMAKER, Laceyville, Pa. 12-5

**Buff Wyandottes Exclusively. They Have the** Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-5

**Thoroughbred White Wyandottes, Exceptional** laying strain. Bred for practical purposes. Stock and Eggs for sale. BOYER & CLAUSER, Zionsville, Pa. 12-4

**Partridge Wyandottes.—At Scranton Show, Jan. 15, 1906,** show second only to New York or Boston, my birds won first and third on cock first on cockerel, first and third on pullet. Also cash special on cock for best Partridge Wyandotte bird in show. A few settings from my best prize matings, \$3.00 per 13. W. H. HAGEN, Scranton, Pa. 12-5

**Choice Cockerels at Low Prices From Our Winning** strain of snow white Wyandottes. We also have for sale a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-5

**Mapleside Strain White Wyandottes.—My First** prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-5

**Silver Laced Wyandottes.—Only Cockerels and** Pullets. Standard marked birds at right prices. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 12-5

**All My Finely Bred White Wyandottes For Sale** without reserve; half blue. Also a few elegant White Leghorns. JAS. HALLENBECK, Alton, N. Y. 12-3

**"Miller's Silver Wyandottes,"** Huntsburg, Ohio, were winners last shows, Hagerstown, Cleveland, Cincinnati. For show birds or nice breeders. I can please you or no sale. 12-3

**Partridge and Golden Wyandottes, Noted** Strains, winners wherever shown. Write for special low prices this month. Choice breeding. Cockerels \$1 up. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-3

**Columbian Wyandottes, Scoring 90 1-2 to 94 1-2 by** Orr. Trios \$10. Show birds \$15 to \$25 pair. H. H. & E. M. COBURN, Cohurnville, Memphis, Mich. 12-3

**Partridge Wyandottes. Adam's "Goldbank's."** Won 49 prizes at three state shows. Pen fowls, \$10; choice large cockerels, \$3; choice pullets, \$2. Shipped on approval. "PARSON" ADAMS, Altona, Iowa. 12-4

**Wyandotte Poultry Yard, Spry, Pa., W. A. HIL-** DEBRAND, Prop. Eight varieties of Wyandottes that won at York, Hanover and Dallastown. Stock for sale. Booklet free. 12-4

**For Sale at Sacrifice.—My Entire Raising of** White Wyandotte chickens (Jackson strain). Retiring. B. HOLLY SMITH, M.D., 1007 Madison Avenue, Baltimore, Md. 12-4

**Silver-penciled Wyandottes. A Few Fine Cocker-** els and pullets for sale; April hatched; also two cocks, one \$5, one \$8; prize winners. J. E. MORSE, Taunton, Mass. 12-4

**High-class White Wyandottes Exclusively. Grand** males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

**White Wyandottes and White Holland Turkeys.** Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

**Columbian Wyandotte Co., Yoe, Pa., Has Fine** records at Litzitz, Hanover, York, and clean sweep of 1st and specials at Dallastown. Fine cockerels for sale. 12-3

**Partridge Wyandottes, the Handsomest and Best** variety. My stock has won the highest honors at most of the leading shows. Stock and eggs for sale. Circular. A. G. GROVES, Chestnut Hill, Philadelphia, Pa. 13-2

**Barred Plymouth Rocks Exclusively. Thompson** and Hawkins strains. Breeding and exhibition birds for sale. Satisfaction guaranteed. Write your wants. A. W. Beller, Kihuck, Ohio. 12-5

**Hacker's White Wyandottes; Free Range; High** quality. Breeders and exhibition stock. Pens, \$15; cockerels, \$3, \$5, \$7. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-5

**White Wyandottes—Winners Wherever Shown.** Layers wherever grown. Stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis, Junction, Md. 12-5

**Ashmead's Partridge Wyandottes Are Winners and** layers. Four hundred birds now ready to go. I am making special prices on birds this month. C. R. ASHMEAD, Nevada, Mo. 12-5

**White Wyandottes — March-hatched Cockerels** weighing 5 to 7 pounds, beauties, write me. I can please you. Satisfaction guaranteed. JOS. S. LUDINGTON, Patterson, N. Y. 12-3

**Silver-penciled Wyandottes; Cornell-Loring Strain.** Won three firsts, West Michigan State Fair. Young stock for sale. Will exchange cockerels. JAS. WASON, Grand Rapids, Mich. 12-5

**1,000 Buff Rocks and White Wyandottes; Hail** has partly ruined crops. Must sell. Remember prize-winners are hatched from my eggs. ALLEN SECHRIST, Port Trevorton, Pa. 12-5

**For Sale.—Snow White Wyandottes, Finest Strain** in America. Pullets and cockerels. Two snow white cocks, \$3 each. W. H. CLEMENS, Saginaw, Pa. 12-5

**If You Want the Best Try the Royal Strain** White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

**Columbian and Golden Wyandottes; Breeding and** exhibition birds. L. H. DAVIS, Port Jefferson, N. Y. 12-5

**Geo. A. Mead Poultry Yards; Breeder of White** and Buff Wyandottes. A few good cockerels at \$1 and \$1.50. WARREN CO., Spring Creek, Pa. 12-5

**Silver-laced and Columbian Wyandottes; Choice,** vigorous stock. Fine cockerels; eggs in season. Write your wants and receive our prices. "THE POPLARS" FOWLERY, Spring Hill, Mass. 12-5

**Thoroughbred White Wyandottes.—Exceptional** winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickoryville, Pa. 12-5

## MINORCAS

**Black Minorcas (Northup and Trethaway** Strains); prolific layers of extra-large, pure-white eggs. Fertility guaranteed. \$1.50 per 15. W. L. BEAM, Box 15, Stelton, N. J. 12-5

**S. C. Black Minorcas; Barred Rocks—Young** Stock for sale for the fall trade. CHAS. L. BLANTON, Falls Church, Va. 12-5

**Black Minorcas.—Bargain, Owing to Ill Health** all breeders must go. 220 Cypher's Incubator. 2 Brooders. 3 cockerels, 20 hens, the best I ever owned. Eggs reduced. \$2.00 for 13. ED. CROUCH, Twining, D. C. 12-5

**Single Comb Black Minorcas.—Imported Stock** Direct. No money spared to get the best. A few fine Cockerels to spare at reasonable prices. No pullets for sale. E. S. LAWRENCE, Arnot, Pa. 12-3

**Mammoth Rose Comb Black Minorcas.—Trios \$10.** Pullets \$3 to \$5. Show Birds. Winners in any competition. \$15 to \$25 pair. MAPLEWOOD FARM, Memphis, Mich. 12-3

**Single-combed Black Minorcas. Young Stock For** sale. Sired from Northup's No. 1. If you want winners at reasonable prices, write me. A. T. RENNNER, Coshocton, Ohio. 12-4

**Ford's Black Minorcas (Single-combed) Royal Ex-** hibition strain. Have size, shape, color, head points, vigor. Heavy winners at large shows. L. B. FORD, Somerset, Ky. 12-4

**Single-combed Black Minorcas Exclusively (North-** up strain); 100 choice cockerels for sale; also pairs, trios, and pens (write). B. C. DEYO, New Paltz, N. Y. 12-5

**Concentrate Your Efforts on (Charles G. Papis** Strain Single-combed Minorcas this Season. Illustrated circular and price list on application. CHARLES G. PAPIE, Fore Wayne, Ind. 12-5

## RHODE ISLAND REDS

**Shove Will Sell a Few of His Best Breeders of** Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-5

**Rose Combed Rhode Island Reds. A Few Choice** cockerels left. Also a few good breeders. N. P. LINTS, Frankfort, N. Y. R. F. D. 3. 12-4

**O. J. Young, Dayton, Ohio, Breeds Rose-combed** Rhode Island Reds exclusively. Some dandy breeding cockerels, \$2 up. Score-card with each bird. Satisfaction guaranteed. 12-4

**Rose-combed Rhode Island Reds.—Cockerels at** \$2.50 and up. Bred from prize-winning stock. Eggs in season. CHARLES R. APPELEGATE, Frechold, N. J., Route No. 5. 12-5

## RHODE ISLAND WHITES

**Rhode Island Whites. Cockerels For Sale. Bred** from large, vigorous stock; at \$2 each. N. B. LINTS, Frankfort, N. Y. Route No. 3. 12-4



## An Attractive Pet



FOR centuries lop-eared rabbits have stood at the head of the fancy, the same as do the Carrier and Pouter pigeons in their classes. The Lop, as usually called, gains its name from the fact that it has very long, broad ears hanging down about its head and onto the

ground. They are credited with being a native of the island of Madagascar. They are quite scarce throughout the United States. In a communication just received from L. G. Plath, York, Pennsylvania, he writes that they are becoming quite popular as a pleasant and profitable occupation, especially for young people naturally fond of pets.

In color the lop-eared rabbits are bred solid white, fawn and white, sooty fawn, black, black and white, gray and mixed colors. They are most prolific breeders, care well for their young, which come in litters from two to nine, according to the age of the doe.

The ears of the lop-eared rabbits grow

dreds of lop-eared rabbits, and who gelded the indifferent specimens and turned them out to run wild in a small wood lot that was densely covered with hazel brush; that his rabbits would run here, at night living in large box hutches made for them. When needed for food they were caught with a net, usually at night. They are the best of rabbit meat for food.

In Manchester, England, where the lop-eared rabbit has been cultivated to the greatest extent, there has been grown and shown specimens with an earage fully twenty-eight inches long, and of surprising width. This unnatural size is gained by some artificial means. As the rabbits are growing the hutches are placed in very warm rooms, and the nursing doe is fed very heavily on ground oats and corn, with warm milk to drink. As soon as the young leave the nest they are taken once a day close to a very warm stove, and the ears worked and rubbed and extended with a gloved hand. This manipulation causes the ears to lie closely to the head as they hang down, and the constant rub-



LOP-EARED RABBITS

very fast for the first four months. The extraordinary growth of the ear often retards the growth of the body up to that time. When past one month old their ears should measure from twelve to fourteen inches; each month thereafter they should increase in length from an inch to an inch and a half. From that time the ear enlargement goes more slowly, and the bodies begin to grow. It is claimed that the earage of some extraordinarily fine specimens have reached the enormous length of twenty-eight inches, the specimen weighing from sixteen to seventeen pounds. The largest earage grown by Mr. Plath was twenty-four inches, the specimen weighing fourteen pounds. An earage which averages from twenty to twenty-two inches is remarkably good. Specimens weighing from nine to twelve pounds are as good or better than the average.

They are very hardy rabbits, strong feeders, good mothers, and can stand a considerable amount of both heat and cold. They will eat anything that a sheep will eat—are naturally very docile and kind to the attendants. For table use, no rabbit is superior to the Lop-ear. We knew of a party in Ohio who grew hun-

bing, pulling and pressing of them through the gloved hand each day causes an increased growth in both length and width of the ear. These are the methods applied for obtaining the extraordinary length and width of the ear on the lop-eared rabbit.

The colors most admired and most sought after are the solid fawn and solid black. The sooty fawn, which is produced by crossing the fawn and the black, stands third in line of valuation. The rabbit breeders of England are able to secure enormous prices for all kinds or extraordinarily fine specimens of any kind of stock that will sell well for the purpose of exhibition, for the reason that it pays them well to use every means to obtain the best.

In former years, when giving more or less attention to the breeding of the lop-eared rabbits, we became familiar with the prices at which they were sold. One buck was sold for over \$100 at the Manchester Show, and a pair of young for \$150. We, ourselves, paid £15 for a pair, from which we bred many that sold at \$20 and \$25 each, the greater part of them going to San Francisco to be sent to Australia.





## Proper Selection

**S**UCCESS with standard-bred poultry can only come as the result of the most careful selection and pairing of the breeding stock, followed with constant care and attention for best results in proper growing of the chicks produced. Well hatched from excellent parentage is only a portion of the battle. Perfect condition—the absolute requirement for success in the show-pen—can only come as the result of the highest quality parentage, properly paired for best results, the chicks well hatched and grown without a hitch to healthy maturity. Perfect health, strength and vigor is the first necessity for condition.

Many complaints are made against the seller of eggs, based upon the quality of the chicks grown from the eggs by the producer. No better illustration can be made of this than was evidenced last season. Three neighbors purchased eggs of Buff Plymouth Rocks, all from the same fowls. The producers were fine. One of the producers grew twenty-three chicks from forty-five eggs, nine of which were fit to enter in the show-room. The other two, each having forty-five eggs, reared but fifteen between them, not a single one of either lot being a respectable presentation of the variety. All had about the same success in hatching the chicks. The one who succeeded so well, cared for his constantly after the most approved methods; the other two neglected the chicks and reaped disappointment as a harvest.

After the chicks are hatched, they must be grown successfully with the best management and care, or they will never make exhibition fowls.

Oftentimes fifty superb exhibition specimens will be produced at half the cost of feed and care of another lot not equally as good. There is a certain knack, a certain influence possessed by the successful ones that is entirely foreign to the management by others. It is this certain something for success in poultry growing that succeeds in the exhibition hall, best illustrated by the Philadelphia adage, "Keeping everlastingly at it brings success." It is this, in connection with that ability to keep everything moving that grows the specimens that win out in the show-room. Every one can not acquire this ability. Many more than do could imitate it to an extent that would guarantee reasonable success. None need to hope for this kind of success who has not this quality. It is the same kind of ability that succeeds in everything, and one of the most difficult propositions of poultry culture at the present time is the winning of prizes in the leading exhibition halls. The growing stock can not be carefully looked after in May and June and utterly neglected through July and August, slightly managed in September and October with any hope whatever for winter success in the show-room. Each day of their entire existence calls for careful management. Those who win, year in and year out, the laurels of the winter show, are not those who slack in their attention

for a single day. This appears on the face of it to be a laborious and inexhaustible line of work. This is not true. A short period night and morning of each day, with a plentiful food supply at noon will enable one to do all that is above described. Irregularity of feeding, careless attention to the hen-coops, the colony house and the yards during the inclement weather, permitting the young chicks to have their backs scorched and burned in July and August, allowing the insect vermin to feast upon them at night in overcrowded coops, is most certain to guarantee failure. The absolute reverse of all this brings success.

## Arnold Protests

Editor THE FEATHER: As an advertiser in your valuable paper for a number of years, I would ask you to give the following to your readers:

A certain party from Raymond, N. H., who claims to sell more prize-winning Columbian Wyandottes than any one in the United States (so far I know of his birds having won one third) is sending out misleading statements to his customers and those who write him. His claim is that he sold us the first and second exhibition pens at the 1906 Madison Square Garden show. The fact is that we bred every bird in our three winning pens at Madison Square Garden, New York, 1906. Not a single winner in our pens or single entries was from his yards. This party is making those statements in order to make sales at the expense of others. The time has come to make such dealings impossible, or the conscientious man must step down and out of the fancy, and the poultry press must do it.—August D. Arnold.

## A Strange Story

Hundreds of papers throughout the land have published the account of a poultry farm on a roof of a New York hotel. We have visited that hotel, and we have been on the roof of that hotel, and we can assure all of our readers that there is no sign whatever of a poultry plant thereupon. There are beautiful fountains, lovely flowers and hundreds of most attractive people there during the afternoon, if not a great part of the night in summer, enjoying themselves to the fullest extent. These resorts are the breathing space of New York City. People go there to dine, drink their wine and smoke their cigars. Every one may rest assured that the space of such buildings is entirely too valuable to be used for the growing of poultry. The advertisement was perhaps a good one for the hotel people, but carried with it not one thread of truthfulness.

"For enclosed 50 cents, please send us your journal for one year. Am pleased to note its improved and prosperous appearance. Will carry a breeder's card with you, commencing in August; too late now for this season on eggs."—G. M. Fish.

### BANTAMS

Won More First Prizes Pan-American on Golden and Silver Sebrights than all competitors combined. Buff and Black Cochins Bantams. Winners. CLYDE PROPER, Schoharie, N. Y. 12-6

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMAN, Carlisle, Pa. 12-12

200 Chicks, Best I Ever Raised, Red Pyle, Black, Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. 12-12

Bantams—Winners of 7 First, 4 Second, and 5 third premiums at Illinois State Fair, 1906. Stock for sale. J. C. JOHNSTON, Petersburg, Ill. 12-9

Partridge Cochins Bantams. For Sale, Some nicely-marked cockerels, fit to show; also one cock. White J. E. MORSE, Taunton, Mass. 12-4

Dark Brahma Bantams. Best Strain in the country. Winners at Boston, Madison Square, Rochester, Poughkeepsie; for sale cheap. LONE OAK BANTAM YARDS, Washingtonville, N. Y. 12-4

White Cochins Bantams. Young Stock From First prize hen Toledo, 1904. Second prize cockerel, Chicago, 1904; winners and beauties. N. V. CAMERON, Neapolis, Ohio. 12-4

Breeder of Buff Cochins Bantams Exclusively for eleven years. I breed for pleasure and not for profit. Fine stock, cheap. ARTHUR PORTER, Galena, Ill. 12-5

### JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10-12 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose Comb Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. 12-12

### ORPINGTONS

500 Single Comb Buff Orpingtons.—Bred From My winners at New York, Chicago, Newark and Trenton. Special price on stock for next 60 days. Be sure and write me before buying elsewhere as these birds are going at reasonable prices to make room. H. W. ACKERSON, Box 96, Washington, N. J. 12-3

White Orpington Home.—Single Comb White Orpingtons are line bred from first prize winners and for superior egg production. Prize, exhibition, breeding and utility birds for sale. Write requirements. EARL L. COOK, Munnsville, N. Y. 12-3

Special Cockerel Sale of the Finest Buff Orpingtons in existence. It will pay you to write for our free circular and price list before ordering elsewhere. First and second prize birds in Cocks and Cockerels for sale. WOODLAWN POULTRY YARDS, Box 90, Sandy Spring, Md. 12-3

Will Sell First Prize World's Fair Single-combed Buff Orpington Cockerel and 12 prize Louisville-Nashville hens for \$500. Cockerels from this yard, \$5 to \$10. Pullets, granddaughters first Boston cock, \$3 to \$5. Circulars. BLUEGRASS POULTRY YARDS, Mitchell, Tenn. 12-4

S. C. Black Orpingtons. Some Baragins in Extra choice stock, both old and young. Write your wants. JOSEPH S. RIEGEL, 1971 Summit St., Toledo, Ohio. 12-4

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. 12-12

S. C. Buff Orpington.—Stock for Sale.—Cocks, \$2 to \$5; cockerels, \$1.50 to \$5; hens and pullets, \$1.50 to \$3. MISS J. P. JONES, R. D. 1, Tobaccoville, N. C. 12-6

For Sale.—A Fine Lot of S. C. White Orpingtons of leading strains at right prices; the great winter layer. W. E. BROWN, Mansfield, Ohio. 12-3

Home of the B. Orpingtons. For Sale.—S. C. Black Orpington fowls and chicks. Write for prices. MRS. H. WEDDERSPOON, Pethmoor Farms, Cooperstown, N. Y. 12-12

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out; price, \$3 up. Eggs in season, \$2 and \$3 a setting. H. PEARSON, 500 Valley St., South Orange, N. J. 12-5

### HOUDANS

"Faultless" Houdans. Peder-bred for Eggs since April, 1890. Pullets for sale now laying five eggs each per week, and weighing 6½ lbs. Grand cockerels. The heaviest layers of the largest eggs. E. F. McAVOY, Schenectady, N. Y. 12-3

### FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvelders. Send stamp for circulars. DR. PHELPS, Glen Falls, N. Y. 12-12

### ANDALUSIANS

My Peerless Blue Strain Andalusians Won Ninety premiums. Hens and cockerels for sale. Quality and prices right. Satisfaction guaranteed. Circular. R. QUACKENBUSH, Baldwinville, N. Y. 12-3

Blue Andalusians, Winners at State Fair, North Yakima, 1906. S. C. R. I. Reds. Stock for sale. Eggs by sittings or hundred, in season. MRS. J. W. DENNY, Greenlake, Wash. 12-4

### ANCONAS

Anconas, Rose and Single Comb Black Minorcas. Bred from prize stock and great layers. Eggs and cockerels for sale. FRED H. SHAW, Delbi, N. Y. 12-3

### MOTTLED ANCONAS

Mottled Anconas—Hear Where I Win Again, 1st and 2d, at the great Allentown Fair, 1906. Some fine show birds for sale. FRANK W. MAINS, Morris Plains, N. J. 12-4

### COCHINS

Cochins.—Buff and Partridge; Splendid Shape and profusely feathered; for fine cockerels, pens and trios, write DeWITT YATES, Kankakee, Ill. 12-4

For Sale.—Few Choice Buff Cochins Cockerels; bred from exhibition stock, scoring 93 to 94 points. Price, \$2 each. EDGAR SWAIN, Martinsville, Ind. 12-3

White Cochins, Exclusively; Eggs and Stock for sale. Satisfaction guaranteed. J. F. JOHNSTON, Brooklyn, Ohio. 12-4

White, Black, and Partridge Cochins. Winners at Boston, New York, Pittsburg. Winter quarters now full of high-class birds. Stamp for circular. D. C. PEOPLES, Uhrichsville, Ohio. 12-8

High Grade Partridge Cochins from \$1 Up; Good in weight, shape, color, penciling and extra good in leg and toe feathering. E. C. JOLLY, Franklin, Ill. 12-5

Cochins. Best Imported English Strain. Solid buff, heavily feathered, perfect shape. Fifty March hatched cockerels and pullets for sale. R. WILLARD BAER, Topton, Pa. 12-5

Beautiful Buff Cochins. Immense Size. Heavy feathered, good shape. Prize winners wherever shown. \$5 per trio, \$7.50 per pen. Special price on large numbers or on slow birds. Write your wants. LUTHER ULUM, Keswick, Iowa. 12-5

### GAMES

Cornish Indian Games and B. P. Rock For Sale cheap. Write for what you want and get prices. H. B. SWARNER, Plainfield, Pa. 12-3

Cornish and White Indian Games, White Exhibition Games. Stock For Sale. \$5.00 trio up. N. B. Warner, Hamilton, Va. 12-3

Selling Games at Starvation Prices.—Irish Black Reds, Tornadoes, Heathwoods and Cornish Indians; free circular. Buy now and save money. C. D. SMITH, Fort Plain, N. Y. 12-3

Pit Winners on Two Continents; Prize Winners at three world's fairs. Also gaffs, boxing gloves, dubbing scissors, game books. Stamp for illustrated catalogue. H. CLARKE, 200 Mansur Block, Indianapolis, Ind. 12-4

Cornish Indians. First at Hagerstown, Allentown, Harrisburg, Middletown, etc. Special at Hagerstown for best display. Circular G free. R. D. REIDER, Middletown, Pa., Route No. 2. 12-5

### LANGSHANS

Fine Black Langshans and Buff Orpingtons. Young stock, \$1 to \$3 each. Eggs in season. Write your wants. J. E. ADAMS, Hutsonville, Ill. 12-4

Black Langshan Pullets and Cockerels, \$1 Each. A. G. WEAVER, Front Royal, Va. 12-3

### LAKENVELDERS

Lakenvelders. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Sunderton, Pa. 12-8

### POLISH

White Crested Black Polish Single Birds. Pairs and trios. Silver cup winners at World's Fair, Boston and New York City. Write for wants. CHAS. L. SEELY, Pres. Am. Polish Club, Afton, N. Y. 12-5

### TURKEYS

Mammoth Bronze Turkeys. Bred from My New York winners. High scoring, heavy weight beauties. Foundation stock and exhibition birds a specialty. FULMER G. DECKER, South Montrose, Pa. 12-3

100 Mammoth Bronze Turkeys for Sale. Large, young toms and hens; April hatch; bred from 40-pound toms and 20-pound hens; winning at Hagerstown, 1906, first tom, first hen; write for circulars. F. G. ZIMMERMAN, Limekiln, Frederick Co., Md. 12-3

200 Bronze Turkeys. Bred from 47 Pound Toms and 25 to 30-pound hens. Winners the world over. Stamp for reply. GEO. WOLF, Seneca Falls, N. Y. 12-5

Half-wild, Half-bronzed.—Anxious to Raise Turkeys? Fine young and old stock for sale. Full Wild tom. Special inducements to early buyers. BERTHA M. TYSON, Rising Sun, Md. 12-2



## DUCKS

Rouen Ducks.—World's Best.—A Few Fine Birds for sale. Prices reasonable. Satisfaction guaranteed. Circular free. Write. F. D. FOWLER, Carlinville, Illinois. 12-9

Choice Pekin Ducks.—At Reasonable Prices For Extra Fine stock. Special inducements to those buying during fall months. Splendid layers. BERTHA M. TYSON, Rising Sun, Md. 12-3

Rouens of Finest Quality. Young and old birds ready for the best shows. Send for show record. F. D. BAERMAN, Dunellen, N. J. 12-4

Wild Ducks.—Pin Tail, \$5; Mallard, \$5; Blue and Green Wing Teal, \$5; Red Head, \$8; Blue Bill, \$8; Gadwall, \$8; Spoon Bill, \$7; Wood Duck, \$16; Widgeons, \$8. Also Rouen at \$3; Colored Muscovy at \$3 per pair. African Geese at \$6 per pair. Order from this ad. MEDFORD FARM, Nickerson, Kans. 12-4

For Sale.—Indian Runner Ducks Lay All the year; \$5 a trio; drakes, \$2 each. W. E. BROWN, Mansfield, Ohio. 12-3

## GEESSE

Brown China Geese, Indian Runner Ducks. Prize winners at state show and wherever shown. Low prices for early orders. O. C. SECHRIST, R. R. 2, Meriden, Kans. 12-4

## PHEASANTS

Direct Imports; All Breeds; Any Number; Guaranteed pure blood; strong, healthy, perfect birds. Pheasants in plumage. If interested, send six stamps for book, "The Pheasant Industry," and 20-page catalogue. Prices right and satisfaction guaranteed. THE OHIO PHEASANTRY, Columblana, Ohio. 12-4

Golden Pheasants, Young and Full-plumaged Birds for sale. Extra fine birds. C. W. SAYLOR, Greenfield, Ill. 12-4

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Burmese Hen, Polish Lynx, Carriers, Dragons, Pouters, Pignoles, Fantails, Jacobins, Owls, Turbans, Blondinettes, Swallows, Magpies, Heluets, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-4

Fancy Pigeons.—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. 12-4

For Sale.—Pigeons of the Following Kinds: Jacobins, all colors; Black and Blue-winged Turbans; Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-4

Remember Before Placing Your Order for Homers, Carnaues, Mondaines and Maltese hens, send stamp for my low prices and circular. F. BURTT, JR., Englishtown, N. J. 12-3

German Pigeons.—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$250. Hen Pigeons my specialty. Pigeons certain. Send money order. H. U. S. ZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

For the Next Four Months I Will Sell 500 Homers at 75 cents a pair; 100 Homer hens, 50 cents each; also Runts, half Runts and 500 fancy birds. SOMERSET PIGEON LOFTS, Somerset, Mass. 12-4

For Sale.—At a Bargain. About 150 Pigeons, mostly this year's raising. Part Homers, and Common; kept separately. "MAPLE CREST," Middletown, N. Y. 12-4

Wanted 5,000 Common Pigeons.—Pay at Least 25 cents a pair. Highest prices for homers, guinea fowls and live rabbits. N. GILBERT, 1128 Palmer St., Philadelphia, Pa. 12-5

Fantails for Sale.—1 Pair Whites, 5 Pair Saddles, 1 pair mottled, 2 pair colored tails. Strong birds. C. K. LENNIG, Palatonia Springs, Va. 12-3

Imported Squab Stock. Maltese, Cameaux, and large Homers. Lined bands, nest nipples, nest trap; circulars. ERNEST WINSLOW, Apopang, R. I., 1 R. F. D. No. 55. 12-5

## HOMING PIGEONS

Homing Pigeons.—I Have a Number of Fine cocks in Blue and Black Chequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race St., Philadelphia, Pa. 12-4

High-Class Homer Pigeons for Squab Raising, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

World Beaters, Racing Homers.—The Strain That First flew one thousand miles. Full pedigree with each bird. CLIPPER HOMING LOFTS, Bond and Millman Sts., Baltimore, Md. 12-3

For Sale.—Two Hundred Pure, White, Thoroughbred Homers, \$2.00 per pair for breeders; \$1.50 per pair for youngsters. JAMES F. RICH, Wellfleet, Mass. 12-3

Homers For Large Squabs.—Two to Six Months old, \$1.00 a pair. Experience breeding for nine years. Pairs selected if possible. C. L. YERGEY, Douglassville, Pa. 12-3

Homers.—Our Strain the Best For Squab Raising. We guarantee our birds mated, giving a certificate of mating with each shipment. Circular free. PASSAIC SQUAB CO., Dept. F. Passaic, N. J. 12-3

For Sale.—Young Thoroughbred Homers from the world-renowned Antwerp strain, at \$1.25 per pair. None better. All 1906 seamless banded. You get no worn-out breeders when you buy these birds; and they have their full life work before them. Also large mated Homers, \$2 per pair. A. M. HOLMES, Monon, White Co., Ind. 12-4

Wanted.—Homer Pigeons of Good Breeding Age, and quantity. Also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bourse Building, Philadelphia, Pa. 12-4

When You Want White Homers Write to Emmons, the White Homer Man; he has the right kind at the right price. HUNTERDON CO. LOFTS, Kingwood, N. J. 12-4

Working Homers. If You Want Good Birds Write us. Buy mated birds and save money. Will send beginners' instructions for stamp. WEBER BROS., Hagerstown, Md. 12-5

County Line Poultry Farm. 25 Pairs Fine Homer pigeons for sale; \$1.50 per pair; also 1,000 choice poultry and eggs in season. JOS. ANTHONY, East Berlin, Pa., R. F. D. No. 4, 12-5

Especial Sale 1 Pen, 35 Pairs Homing Pigeons, \$35; part pure white hens; good squab producers; 8 pounds per dozen and healthy. S. H. EVERETT, Stockton, N. J., L. Box 176. 12-5

200 Pairs Young Mated Homer Pigeons for sale at 50 cents per pair; all nest mated birds. CHAS. H. WOOD, Green Lawn, N. Y. 12-5

## UTILITY PIGEONS

For Sale.—To Make Room 10 Pairs. Carneau, 5 pairs Runts, 10 Young Dragons, 5 pairs Red Homers. FRED I. BARNEY, East Providence, R. I. 12-3

We Make a Living Raising Squabs, and Can Tell how to do it. Detailed reply for 10 cents. PRACTICAL PIGEON PENS, East Bridgewater, Mass. 12-4

## FERRETS

6000 Ferrets. Some trained specially for rats. Book and circular free. LEVI FARNSWORTH, New London, Ohio 12-4

Send 25c for Catalogue and the Greatest Book Published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

Ferrets, Beagles, Fancy Rabbits, Barred Plymouth Rocks (from Gardiner), Toulouse Geese and Indian Runner Ducks. Thirteen years' experience as a breeder. J. M. MARTIN, Delanson, N. Y. 12-10

Fifteen Thousand Ferrets; Perfect Workers. These animals exterminate rats, hunt rabbits. 48-page illustrated book for 6 cents. Circular price list free. SAMUEL FARNSWORTH, Middletown, Ohio. 12-4

## BELGIAN HARES

Heavy Weight Belgian Hares, Bred From Choice Pedigreed and prize winning stock. Write your wants. THE PLEASANT VIEW RABBITRY, Clark Pa. 12-5

## DOGS

At Stud.—"Napoleon"—A Grand, Large, Collie, two years old, golden sable, excellent breeding; Wishaw Clunker blood. Fee, \$5 for a short time. A few fine females for sale. CRYSTAL POULTRY FARM, Washington, N. J. 12-4

## WANTED

Camera or Cash For First Pen Rhode Island Reds (Auburn). 50 Plymouth Rocks, Homers, exhibition White Homers and Blue Magpies. Catalogue free. WM. HARRIS, W. Genesee St., Auburn, N. Y. 12-3

## FOR SALE OR EXCHANGE

For Sale.—60-acre Poultry Farm, Greenhouse and garden business. BOX 63, West Cheshire, Conn. 12-4

Guinea Figs.—Attractive Pets; Prolific; Profitable; also Homer, Tumbler and Dragon pigeons. For sale low, or exchange for Bantams. WOODCREST FARM, Box, 3134, Boston, Mass. 12-4

Two Thoroughbred Bronze Turkey Gobblers "young." One White Bull Terrier for sale or exchange. Something fine. Address E. E. RAMSEY, Belair, Md. 12-12

Pheasants: Amherst, Golden, Silver, Ringneck. Fancy poultry, pigeons, and ducks. Place your order early for eggs. Good birds on hand. Correspondence solicited. HILLSIDE PHEASANTRY, Reading, Pa. 12-5



## Shows and Their Dates



THE Cornish Indian Game Club of America is determined to have an attractive representation at all winter shows. They will offer special ribbons at any show in the United States where three or more members are competing. For full particulars address Wm. Sawyer jr., Owosso, Mich.

The Rhode Island Red Club of America will offer several hundred dollars in special prizes at the coming Madison Square Garden show in New York City. An equal or greater offering will be made at Boston. Thos. F. Rigg, of Iowa, will judge at New York, and Mr. Lester Tompkins, of Massachusetts, at Boston.

The Greenfield Score Card Club, the pioneer of all free exhibitions, will hold their annual score card event December 5-6. This society is a novel one. Its members, friends, and associates bringing together their birds, have a two days' contest of friendly superiority under the score card.

The Westchester County Poultry, Pigeon and Pet Stock Association, will hold a winter show at White Plains, N. Y., the week of January 16 next. James B. N. Fitch, of Mt. Vernon, N. Y., is the secretary.

The fanciers in and about Spokane, Wash., are to have a great poultry show this winter. H. C. Blair, the secretary, is of the opinion that this will be the largest poultry show ever held west of the Rocky Mountains. All fanciers in this section should address the secretary as above, asking for full information.

There was organized November 10 a S. C. Black Orpington Club in the direct interest of this variety of one of our most popular breeds. The secretary and treasurer, Mr. Jos. Coleman, of Bellville, Ohio, would be glad to hear from all interested in this variety. It is the purpose of the membership to push it into the position it deserves.

The Alaska-Yukon Pacific Exposition which will be held at Seattle during the fall of 1909, promises through the superintendent, J. L. Anderson, great things to the poultrymen of the country. Mr. Anderson has, we understand it, been placed directly in charge of this branch of the exposition. Considerable money will be set aside for the furtherance of the live stock department. We trust that Mr. Anderson will see to it that the poultry and other live stock exhibits are placed in a suitable locality in the exposition grounds and not relegated to the rear corner down in a muddy hole as has been done in the past. Poultrymen and other live stock exhibitors will no longer put up with such treatment. If this is to be a success fair treatment must be guaranteed.

Fort Wayne, Ind., will have a poultry show during the week of January 21 next. D. F. Ault, of Fort Wayne, Ind., is the secretary. The premium list is now ready for distribution.

The National White Wyandotte Club will offer \$500 in cash specials to be competed for at the Boston show. Every fancier of White Wyandottes should write at once to S. H. Roberts, secretary the Boston Show, South Attleboro, Mass., for full information.

The sixth annual meeting of the American Orpington Club will be held in Madison Square Garden, N. Y., Thursday, January 3, 1907, at 4 p. m. Every breeder of Orpingtons is cordially invited to be present.

Philadelphia again swings into line with the other big cities of the country and will hold a show February 4-8, 1907, under the auspices of the Philadelphia Poultry, Pigeon and Pet Stock Association, every member of which is a thorough fancier. We expect to profit by the experiences of former associations and believe we will give the fancy the best exhibition ever held in Philadelphia. The recently elected officers are: President, Henry D. Riley; vice-president, Wm. G. Fotherall; treasurer, Wm. H. Moore; secretary, Jesse G. Darlington. All breeders are invited to exhibit and visit the show and get acquainted. Louis P. Graham is assistant secretary.

Nashville, Tennessee, the center of southern poultry interest, is to have a great winter show. This show will be held in Nashville during the week of January 14. Marshall, Denny and Hansen will judge the exhibit. John Murkin, secretary, wishes the aid and support of every financier in the South, and extends a hearty welcome to all through the North who can see their way clear to come and exhibit with them.

Mr. W. H. Harris, secretary of the Western Maryland Poultry Association, writes us that there will be held at Frostburg during the week of January 15 a poultry show. This should be of great interest to the fanciers of Maryland, all of whom should lend their aid to this effort.

The American White Wyandotte Club will hold their annual meeting during the week of January 2 at the New York Show. The date set for this meeting is January 2, at 4 p. m. A large list of specials will be offered by this club at the New York Show.

The Sharon (Pennsylvania) Poultry Club will hold their annual show the second week in January next, at Sharon, Pennsylvania. C. H. Gauchat is the secretary. Please write to him for show catalogue.

The Northern Illinois Poultry Association will hold its eighteenth annual ex-





## Shows and Their Dates

(Continued from page 28)

hibition at Belvidere, Illinois, January 14 to 19 next. The show will be judged by George D. Holden. Address Bert R. Lucas, Belvidere, Illinois, for full particulars, as he is the corresponding secretary.

F. O. Groesbeck, the poultry king of Hartford, sends an announcement of the great dog show to be held November 20 at Hartford. The Hartford Show Association has been organized with Mr. Groesbeck as secretary. Following the dog show later in the winter this organization will put upon the boards the most attractive poultry show ever offered to the people of Connecticut.

We again call our readers' attention to the show to be held in Scranton, Pennsylvania, advertisement of which will be found in our columns. This is to be a great show. They have a long list of special prizes, cups, etc., for those who have the birds to win them. Every one should have a catalogue from Secretary Close, and send their birds to the exhibition.

The Auburn Fanciers' Association is making great preparations for their winter show during the holding of which will be held the annual meeting of the American Poultry Association. The show at Auburn begins January 7. There will be held in connection with this a series of farmers' institute meetings. Every fancier in the country should have a show catalogue, which Mr. J. H. Scott, secretary, will be glad to send if you will address him at Auburn, N. Y.

The next annual meeting of the National White Wyandotte Club will be held in connection with the coming Boston show the second week in January. A large list of specials will be offered at that meeting. For full information address the secretary, Ross C. H. Hallock, St. Louis, Mo.

The fanciers of the Middletown Poultry Club, of Middletown, Ohio, have selected the dates of January 8 to 11 next for their sixth annual show. Clarence W. Dodds is the secretary.

A stock association has been organized at Uniontown, Fayette County, Pennsylvania, for the holding of a poultry show this winter. Samuel A. Poundstone is corresponding secretary at Uniontown. Address him there for full particulars.

We are just in receipt of a letter from F. L. Gruehl, Woodland Avenue Southeast, Cleveland, Ohio, stating that we have recorded their show dates incorrectly—that their show will be held during the week of January 14. Catalogue of same will be ready for delivery very shortly.

The tenth annual exhibition of the Lynn (Massachusetts) Poultry Association will be held during the week of January 1. Messrs. Crangle, Card, Pierce, and Crowther will judge. William F.

Craig, of Lee, Massachusetts, is the secretary.

Iowa State Poultry Association will hold a show at Oskaloosa, Iowa, during the week of December 24 next. A long list of regular and special prizes is offered. Secretary A. B. Adams, of Altoona, Iowa, will gladly furnish all information relative to same.

There will be held at Newcastle, Pennsylvania, during the week of January 23 a poultry show. W. C. Denny will be the judge. D. R. Boland, Newcastle, Pennsylvania, is the secretary.

A show will be held at Springfield, Massachusetts, during the week of January 8. Col. R. J. Hamilton, Springfield, Massachusetts, is the secretary. Colonel Hamilton was long known to the fraternity as an ardent fancier and producer of beautiful Polish fowls. We imagine that two shows in one season in a town like Springfield will again prove that there can be too many shows held in one town.

The Wisconsin Feathered Stock Association, of Milwaukee, Wisconsin, will hold their next regular show during the week of January 16. This is one of the most progressive associations of the Northwest. They deserve the patronage of all the fanciers in that section of the country. Mr. C. G. Loeber, show secretary, will be glad to furnish full information.

The Fence Town Fanciers' Club, of Adrian, Michigan, have selected for their show dates January 21 to 26. J. F. Holyoke is the secretary.

The Hornell Poultry Association, of Hornell, New York, will hold their annual exhibit the week of December 18. C. E. Willard is the secretary.

The Tri-City Fanciers' Club, East Liverpool, Ohio, will give a show during the week of December 24. T. E. Orr will judge the awards. Ernest W. Simpson is the secretary.

The poultrymen in and about Hicksville, Ohio, are to hold their next annual show during the week of January 29. B. F. Nye, the secretary, Hicksville, Ohio, is anxious to hear from all exhibitors.

Cincinnati will hold a poultry show the coming winter in the Music Hall Building during the week of January 15. Thomas J. Foy, Box 122, is the secretary.

## How to Ship Fowls

Do not kill until ready to send to market, and pack as soon as the fowls are cold. Pack in clean barrels or boxes. Put clean, straight straw between bodies and sides, top and bottom of package, and also between layers of bodies.

The neatest dressed and packed fowls are the first to sell and at the best prices. —Stock Journal.

## SUPPLIES

Colored Leg-Bands.—Band Your Poultry, Pigeons, in colors; identify them at sight. Price list, samples for stamp. A. P. SPILLER, Beverly, Mass., Dept. A. 12-5

Selling Out.—Record Trap Nets, Fountains, improved feed troughs, leg bands, caponizing sets, egg-cabinets, etc. DR. McWILLIAMS, 3456 Michigan ave., Chicago, Ill. 12-3

Poultryman's Mill for Cutting Green Bone, Clover and vegetables, and cracking corn and shell. Single-combed Reds. Circular free. L. H. STEWART, Erie, Pa. 12-4

Before Buying an Incubator Get Our Free Catalogue. It will give you some money-saving points. Plans for brooders and poultry houses, 15 cents; poultry book, 50 cents. COLUMBIA INCUBATOR CO., Delaware City, Del., Box 10. 12-8

Sea Shells for Poultry and Pigeons. Good Quality sea shells in barrels, sacks, and ton lots. Samples and prices on request. DANIEL SHEEHAN, Guilford, Conn. 12-5

Poultrymen—For \$1.50 We Send You Prepaid 150 of each noteheads, envelopes, and cards, on first-class paper. Samples free. N. MENDELSON & SON, Grand Rapids, Mich. 12-8

## BOOKS

System in Poultry Practice, Book by James Shackleton, sells throughout the English speaking world. Price, \$1. Circular free. JAMES SHACKLETON, Box 567, Milbarn, N. J. 13-1

A Book on "Homesteading," or Better Known as "Government Land Guide" to a Billion Acres of Homesteading, Grazing, Mineral, and Timberland, in twenty-five states, located by counties. If you will send us 75 cents we will mail you the Black Loam Journal, a journal published in the interest of the Homesteader, Investor, Farmer, and Stock Raiser and Property Owner, for three years, and will send you the above named book free of charge. The Government Land Guide alone is worth the price of the entire three years subscription. Write us for our special advertising proposition and rates. ANCHOR PUBLISHING COMPANY, Omaha, Nebr. 12-4

The Homing Pigeon. The Latest Book on These fascinating birds. 16mo., printed on excellent paper, and profusely illustrated, it is a little gem. Price, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Diseases of Poultry, by D. E. Salmon, D. V. M., is the only standard and reliable work published in the English language on this important subject. 248 pages and 72 illustrations. Price, 50 cents, post-paid. Address, GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Pocket-money Poultry, by Myra V. Norry. Written particularly for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping, and thoroughly illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The American Fancier Poultry Book, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Money in Squabs, by J. C. Long and G. H. Brinton. The only practical book published on raising squabs for market, and is of untold value to all interested in raising pigeons for pleasure or profit. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Squab Book," by W. E. Rice, is one of the latest additions to The Feather Library. This new book, with its questions and answers, is indeed a treat for squab breeders. It is printed on enameled paper and is profusely illustrated. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Pigeon Book," by J. C. Long, is superbly printed on calendered paper, and illustrated with a half hundred fine half-tones. This book is credited with being the best and most practical book published on breeding and raising all kinds of pigeons. No library or home of a pigeon fancier is complete without it. The illustrations are said to be the finest and most accurate ever drawn. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"Plymouth Rocks," by T. F. McGrew. Contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Wyandottes. This Valuable Volume Was Written by T. F. McGrew. It contains ten colored plates of the several varieties of Wyandottes, and other illustrations in black and white. It is for the benefit of breeders of Wyandottes that this book is issued, and it should prove of considerable value to all interested in these fowls. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Feather's Up-to-date Poultry House. To Be successful with poultry, either for pleasure or profit, depends greatly upon the proper housing of the fowls. The Feather's Up-to-date Poultry House sets forth a plan of house that can be built at the minimum cost, as well as the cheapest and best way for raising poultry. Price, paper, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

How to Grow Chickens. Another Problem to the Poultrymen is that of growing young chickens. In the little volume just out, by T. F. McGrew, this subject is carefully treated, the troubles to overcome, the proper housing, proper food and manner of feeding, etc., being fully considered. There are a number of very good illustrations in this little volume. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Egg Question Solved. The Solution of the egg question is bound to appeal to all interested in this question. Mr. T. F. McGrew wrote the manuscript for this little volume concerning this problem. It is printed on a good quality of paper, is nicely illustrated, and altogether makes an attractive and valuable little book. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

## MISCELLANEOUS

County Line Poultry Farm Banded Rocks and Buff Leghorns again winners. Lockport, N. Y. entry Banded Rocks, 2d pen; Buff Leghorns, 2d cock, 2d hen, 1st, 2d and 3d cockerels, 1st, 3d and 4th pullet, 1st pen; Auburn, N. Y. 2d and 3d cockerels, 3d, 4th and 5th pullets, 1st and 3d pens. Send for catalogue of matings. Address A. G. BARLOW, Box A, Barker, N. Y. 12-1

Ninety Varieties Poultry, Eggs, Pigeons, Ferrets, dogs, Angora goats, Belgian hares, etc. Descriptive sixty-page book and store at your door, 10c. mailed. 1st free. J. A. BERGEY, Box 22, Telford, Pa. 12-1

10 Best Varieties, Dark Brahmas, Buff Cochins, Banded Rocks, White, Golden, Silver Wyandottes, Spanish, Leghorns and Minorcas. Stock and eggs for sale. EMERY REIFENBERG, St. Johns, Pa. 12-4

Closing Out Entire Stock. Must Sell at Once 200 S. C. Brown Leghorns, pen each Black and Buff Cochins (Hare) Dark Brahmas, White and Black Wyandottes, Dorkings, Andalusians, six varieties ducks, bantams, etc. Send for list if you want exhibition stock at bargain prices. J. FRANKLIN HILLER, R. F. D. 3, Fort Plain, N. Y. 12-1

All Breeds of Live Pure Bred Poultry, Pigeons, Pheasants, Turkeys, Rabbits, Belgian Hares, Cavies, Dogs, Cats and all pet stock. A complete list in our large 162-page catalogue. EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. T, 26 and 28 Vesey St., New York City. 12-12

Jersey Strain White Rocks, Pekin Ducks and Homer Pigeons always please. Choice stock for sale. SPRINGER BROS., Bridgeton, New Jersey. 12-3

Black Sumatras and B. P. Rocks.—Largest flock Sumatras in the south. Stock for sale. \$5.00 trio up. N. B. WARNER, Hamilton, Va. 12-3

A Poultry Record That Fills the Bill.—40 Pages, a year's record sent postpaid for 25c. L. TAYLOR, Gibsonburg, Ohio. 12-3

Rose Comb Rhode Island Red, Golden Wyandotte and Buff Rock Cockerels. Pure bred, healthy, vigorous and win wherever shown. Twenty choice Buff Rock Females. Prices reasonable. D. R. STOUT, McLean, N. Y. 12-3

Bargains in Rose and Single Comb Buff, Rose and Single Comb White Orpingtons, Rose and Single Comb White Minorcas and White Wyandottes. B. WENK, Washington, Ill. 12-3

Special 30-day Sale.—Standard-bred Poultry, Game and Ornamental Bantams. Prices and quality fight. Write your wants and send for special price list, also Turner's Bantam Book, fully illustrated; price, 25 cents. PLEASANT VIEW FARM, Horseheads, N. Y. 12-4

Parrots, Smallest to Largest; Doves; Imported Maltese Hen Pigeons; Runts, Archangels, Tumblers, Pearl-eyed Highflyer Tigers, etc. SAILORS' DEPOT, 112 Cherry St., New York City. 12-4

Selling Out Fine White, Brown and Buff Leghorns, and Rose and Single-combed Orpingtons, \$1.25. Duroc and Chester White pigs, \$5. SERENO WEEKS, DeGraff, Ohio. 12-5

Columbian and White Wyandottes, Rose-combed Buff Leghorns and S. C. Buff Orpingtons; prize winners; stock for sale. J. D. SUMNER, Kensington, Md. 12-4

White Rock Cockerels, \$2 Up. 3 Orpington Pullets and cockerels, \$5; pair Columbian Wyandottes, \$3; B. C. Bantams, \$1.50 each. H. W. GREGORY, Chapman Quarries, Pa. 12-4

Turkeys—White Holland; Geese—Toulouse and White China; Ducks—Colored Muscovy, Rouen; Chickens—twenty-five varieties. High quality, reasonable prices. W. C. BROREIN, R. 2, Spencer-ville, Ohio. 12-4

For Sale.—Pure Bred Cockerels, \$1.50 Up. Light Brahmas, Dark Brahmas, Partridge Cochins, Buff Cochins, Cornish Indian Game, Rhode Island Reds, White Wyandottes, Banded Plymouth Rocks. Eggs in season. Write for prices. FRANK G. WEED, Hightstown, N. J. 12-5





## Business World



HOME remedies have become almost indispensable with poultrymen. The company that manufactures these goods has issued a most interesting book called the "Life Saver." This book describes minutely the symptoms of all poultry diseases and suggests the proper remedy for same. It is only necessary to write to Messrs. Cugley & Mullen, Philadelphia, Pa., and ask them to forward you one of their books to receive full information relative to poultry ailments.

As winter comes upon us poultry is more or less troubled with roup. G. E. Conkey Company, of Cleveland, Ohio, have issued a beautiful little book which each reader of THE FEATHER can have by addressing the G. E. Conkey Company, at Cleveland, Ohio, and asking for a copy of same. The regular price of this book is 25 cents. Each reader of THE FEATHER can have one free by stating that he saw this notice in THE FEATHER.

Messrs. Darling & Co., the well known manufacturers of beef scrap, chick, laying, and forcing foods for poultry, call the attention of our readers to their new offering in these lines. Address these people either at Chicago or New York City, whichever may be most convenient for you, and request them to send you full particulars as to their products.

Once more the season of hatching is at hand. As usual the firm of Geo. H. Stahl, of Quincy, Ill., is to the front with a new and attractive line of incubators and brooders. All the readers of THE FEATHER are invited by this firm to address them at Quincy, so that they may receive the beautiful new illustrated reading matter relative to their products.

The Plymouth Rock Squab Company, of Boston, Mass., has just issued Appendix B to their annual catalog. There is a world of information in this circular. Those interested in the growing of squabs for market might well write them for their circulars and full information.

Mr. J. S. Wason, of Grand Rapids, Mich., has made a great stride forward in the breeding of Silver-penciled Wyandottes. He has been making great winnings with them throughout the state this fall.

Mr. Chas. G. Pape, 1617 N. Cass St., Fort Wayne, Ind., has made a great success in the growing of high-class Single-combed Black Minorcas. The Pape strain has a great reputation for producing a large number of fine eggs. A circular recently issued by Mr. Pape should be in the hands of every one interested in this variety of fowls. The illustration of the egg production is especially attractive and should be studied in the interest of the breed.

"I would like very much to secure the agency of The Feather for Richmond again, as I am going to raise poultry again. Am a great admirer of The Feather and believe it to be the best poultry paper published, not excepting any."—Stanley Mason.

## With The Feather

The crowning effort has been reached by the publishers of Country Life in America in the issue of December just from the press. We can not imagine where improvement could be made in it. We can, by special privilege granted us, send you Country Life in America with THE FEATHER, both for one year, for \$4. The two most beautiful and attractive magazines published, both for the price of one.

Study the different clubbing offers made in our advertising columns. You may have a full line of family, household, and farming literature at a modest expenditure. Nothing could give more pleasure or be more elevating than to have a full supply of the best magazines in the home. Those not familiar with the events of the day are permitting the best things in life to pass by them unnoticed. Look up The Whole Family Group and send us your subscription.

## The News-stand

In our June issue we announced that the news agencies would furnish THE FEATHER to all newstands. The result has been most satisfactory. In our October issue we told of our success along this line. We renew our request that all our readers will send the full name and address of any newsdealer whom they think would be likely to sell some FEATHERS. We wish to thank those who have helped us in this way and extend a cordial invitation to others to do the same.

## Exhibit The Feather

We wish that all our readers would show their copy of this paper to their friends. By so doing you will extend the interest into many uncultivated fields. Almost every one has more or less interest in poultry or squab growing. When they see THE FEATHER they want it. When they have it a fancier is assured.

## Advertising

Advertising pays when properly done, providing that you have something of value to sell and you find a prospective purchaser and present the case to him in a way that induces him to buy. You can locate the prospective purchaser through an advertisement in our columns. Just look us over and see how attractively we place your requests before our readers. Your advertisement if not here can be just as attractively placed as are any of these. Try it and be convinced.

Choice Homers and Fantails, All Colors, Bantams, Plain and Bearded Polish. Golden and Silver Sebright, Black and White Rose-combed, Buff, Black, White, and Partridge Cochins. I. S. MILLER, Allentown, Pa. 12-5

Single-combed White and Buff Leghorns, White Plymouth Rocks, and White Wyandottes. Eggs, \$1 per 15. Satisfaction guaranteed. Address DELAWARE VALLEY POULTRY YARDS, Stockton, N. J. 12-5

Cockerels for Sale.—R. C. Rhode Island Reds, White Wyandottes, White Leghorns, S. C. Rhode Island Reds, Black Minorcas, Mottled Anconas, Golden Polish, and W. C. B. Polish. W. L. BUCHANAN, Baltimore, Fairfield Co., Ohio. 12-5

Shady Lawn Poultry Farm. Prize Winning Toulouse geese, Moscow ducks, Wyandottes, Rocks, Leghorns, Hamburgs, Langshans, White turkeys, and Guineas. Stamp for catalogue. B. F. KAHLER, Hughesville, Pa. 12-5

Winter-egg Problem Solved. Something That Will do the work, not merely claim to do it. Trap-nest plan and particulars for stamp. CHARLES STEWART, Bradford, Pa. 12-5

Single-combed Black and White Minorcas, Buff and Barred Rocks, Single-combed Brown Leghorns, Golden-faced Wyandottes. White-faced Black Spanish stock for sale. From \$1.50 to \$2.50. Satisfaction guaranteed. MR. JOE FIDLER, Westville, Pa. 12-5

Buff Wonder, Rose and S. C. Buff Wonders; a distinct new breed. Rose and S. C. Buff Leghorns stock for sale; 2-cent stamp for circular telling all about this new breed. J. B. SMITH, Westerville, Ohio, R. No. 3. 12-5

Write to Common Sense Correspondence School of Poultry Culture, Baltimore, Md. Beginners and others can not fail to succeed who pursue our course of instructions. 12-5

Coots—These Beautiful Birds Can Be Bred in captivity. Have a limited number at \$3 per pair. MEDFORD FARM, Nickerson, Kans. 12-5

For Sale.—Cockerels from S. C. White and Brown Leghorns, Barred and White Rocks, and White Wyandottes. STROUD & WALKER, Floris, Va. 12-5

For Sale.—30 Varieties; Chickens, Turkeys, Geese, ducks, ferrets, 3 pedigreed fox terrier females. Thousands of prizes won. Satisfaction guaranteed. SMILEY & SON, Milligan, Ind. 12-8



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45 varieties Standard Bred Chickens, Pigeons, Ducks and Turkeys. Fine catalog illustrates and tells all about Poultry, feeding, care and our big premium offer. Best way to rid poultry of lice, etc., only 10c. John E. Heatwole, Harrisonburg, Va.

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Food "A" makes chicks strong, sturdy, vigorous; food "B" contains egg making ingredients that heap up the egg-basket; food "C" fattens fowls to get top-notch market prices. Feed them. Catalog free. Agents wanted.

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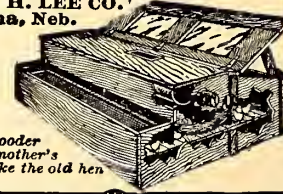
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There is no guess work about the "Mandy Lee." Results are certain. You place eggs in the incubator knowing that they will hatch if fertility is there. Unfavorable outside conditions have no effect on our machine because you can always make favorable conditions in the egg chamber of the "Mandy Lee."

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OUR WHITE AND SILVER PENCILED PLYMOUTH ROCKS, PLYMOUTH ROCKS, WHITE WYANDOTTES, WHITE LEGHORNS AND BUFF COCHIN BANTAMS WON WORLD-WIDE REPUTATION AT HAGERSTOWN SYRACUSE AND MADISON SQUARE GARDEN

## BLUE RIBBON YOUNG STOCK

Over 3000 young birds are now growing on our farm, many of these will be ready for the fall shows. These youngsters were all hatched from our own matings, every mating headed by a prize winning male and all have free range. Where can you find more promising young stock?

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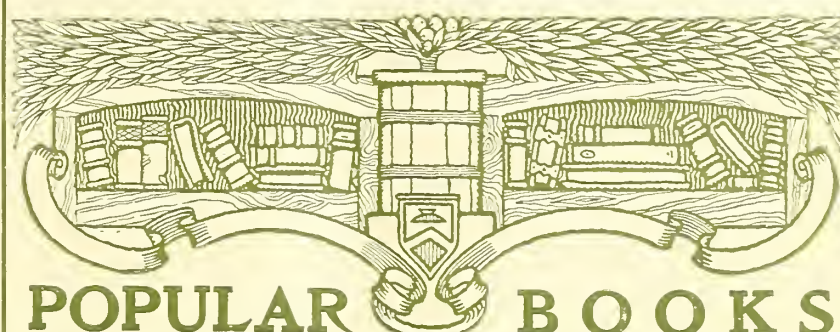
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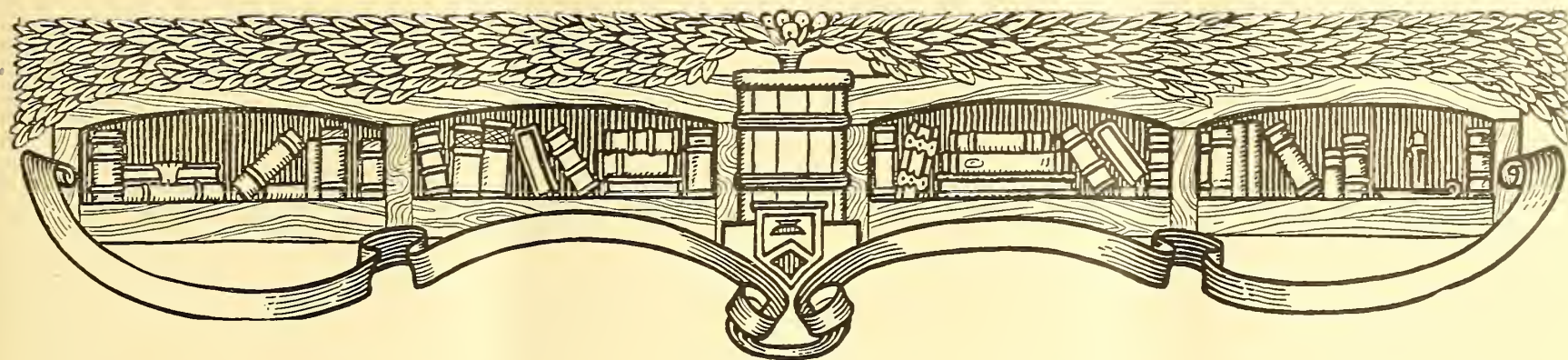


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Winners at New York, from Life.





## The Feather



THIS issue goes to our many readers as an emblem of the New Year. New features, new methods of presentation have been continually introduced since the June issue. The many expressions of gratification coming from all quarters complimenting our efforts

in the November and December holiday numbers prompts renewed endeavors along the line of a more attractive publication.

This number carries to our readers most interesting features relative to the American class, the Ornamental Game class and general handling of poultry and pigeons for best results. Manufactured articles for the use in the poultry yard are given their share of consideration. All of this is for the benefit of those who would become purchasers. If our efforts have met or may meet your approval, write and encourage us. If disappointed, write and explain why and let us know what may be done to more fully meet our wants along this line.

## Our Illustrations

We show this month the existing conditions of the Wyandotte advancement through the use of photographs covering the space of the past nine years. The photographs used are claimed to be the true presentation of prize-winning specimens from 1898 to the present time. We should like to be able to illustrate type, color and markings of individual, or groups of specimens covering a period of ten years, and invite all those who may be interested in such a movement to submit to us photographs of Plymouth Rocks and Wyandottes covering the period from 1898 to the present time.

## This Month's Illustrations

The front page of the pair of White Wyandottes was made from the photographs used in the half-tone under the write-up of Rock Hill Poultry Farm. Other illustrations have come to us from several localities. The Black Sumatras are from England, from Mr. Warner, of Virginia, and Mr. Wood, of Washington, D. C. The illustrations of the flight of the Homers were made with our own camera at Hagerstown; one of them retouched by Artist Graham. We do not remember of ever having seen before the actual liberation illustrated by the camera. Other illustrations have been contributed from the Rhode Island Experimental Station

# SHOP TALK

and the Model Poultry Plant. For all these courtesies, and for like contributions in the past, we return hearty thanks and invite all who may be interested in the further illustrating of these subjects to submit to us the best obtainable. We do not care for post-card prints, but anxiously solicit the best original photographs obtainable.

## The Coming Year

It is the intention of the publisher to make each department of THE FEATHER better and better each month. No pains or efforts on his part will be spared in an endeavor to give to the general public the best information presented in the most pleasing manner, so that all conditions may be presented and illustrated, and those least informed may grasp conditions that will help them to succeed. New books relative to the management of poultry, pigeons, and for the production of squabs are constantly being presented for your consideration. Study the list of books. Watch the columns of the paper for new publications to be issued. We feel sure that every one of these will be an improvement on past efforts, all of them being compiled for the benefit of those anxious to succeed in any branch of poultry or pigeon growing.

## The News-stand

Each month we have invited the readers of THE FEATHER to visit the news-stands in their locality, to exhibit THE FEATHER to the news agent and request that he permit them to write us, giving his full name and address and send a request for a few copies of THE FEATHER to be sent through the news agency, in order that they might be exposed for sale on the news-stands. Many have responded. All are invited to take part in this. Every poultryman should feel sufficiently interested in poultry culture to lend his aid toward the greater distribution of publications that improve all conditions of the poultry and pigeon industry. If you will induce the news dealers in your locality to write in, or to permit you to send in the request, we will have them served from the proper source. Each month the news-stand circulation has increased, which is unquestionably the truest test of the value of the paper to its readers and advertisers.

## Special Features

Under the heading of Science of Breeding, the special article telling of the proper management for line breeding, is published

this month. This is given in response to a request sent in for such information. All of our readers are invited to take advantage of this same privilege and send in requests for special articles in which they have an interest. One which seems to be of general importance, judging from requests received, will soon be taken up. That will be the question of head points and the quality of the eyes in reference to their influence over the production of better quality and how far they should be considered in the exhibition hall. Nothing needs more careful attention than do the head points in all our fowls of the present day, except type or true breed characteristics.

For this reason we think that an exhaustive consideration of this would make a splendid companion piece to follow the article on Exhibition White Wyandottes in this month's issue.

## The Cover Page

The cover-page illustration and write-up of Mr. Lord's Buff Wyandottes in November, the display of Mr. Nettleton's beautiful Brahma within the Christmas holly, and the original cover-page and write-up of Rock Hill Farm in this issue, shows plainly what can be done in making photographic enlargements and portraying fowls true to life. In the reading columns we present a half-tone made from the original photograph of each of these birds shown on the cover-page without retouching in the least. Compare these with the front page pictures, and you will readily admit that we present the true portrait of the fowl.

There are but twelve issues of THE FEATHER each year. Breeders and fanciers desirous of taking advantage of similar portrayals of their fowls should communicate directly with the office of THE FEATHER. Remember, that we are the originators of this plan of illustration. We imagine that others will follow. As mentioned above, no kind of praise equals imitation. We have in preparation a new proposition that will outclass anything yet attempted along the lines of poultry literature.

## Entries at New York

We are informed by Mr. H. V. Crawford, secretary of the New York Show, that their entries are as follows: Poultry, open classes, 2,341; turkeys and geese, 105; bantams, 365; exhibition yards, 248; pigeons, etc., 1,934.

## Advertising Rates

The advertising rate in THE FEATHER is 10 cents per line, fourteen lines to the inch, \$1.40 per inch per insertion.

DISCOUNTS: Two per cent. discount for three months' payment in advance; five per cent. discount for six months' payment in advance; ten per cent. discount for one year's payment in advance.

For Classified Ad Rates in THE FEATHER: Twenty-five (25) words or less, one time, 50 cents; three times, \$1; six times, \$2; twelve times, \$3.50. Additional words at the rate of 2 cents each for one insertion, or 1-3 cents each for each insertion when run three times or more. PAYABLE IN ADVANCE.

Special Positions ten (10) per cent. additional.

No discount on class ads.

Forms Close: THE FEATHER forms close the twentieth of the month previous to date of publication.

Try our columns and be convinced of the value of THE FEATHER.

## From Our Subscribers and Advertisers

"We heartily congratulate you on your December cover illustration, showing a beautiful Light Brahma female, the grandest of all poultry. The whole paper shows culture and refinement to a remarkable degree. Yours for Light Brahma culture. Give us some more grand pictures and writings of Light Brahmas like the last."—East View Poultry Yards, Ballston Spa, N. Y.

"Must say that I am well pleased with the appearance and make-up of The Feather. As an advertising medium The Feather is a hummer. I received several orders for aluminum leg bands from my small advertisement in the June issue of your paper before I received my marked copy. I am well pleased with results and shall continue to patronize the advertising columns of your paper."—Harry E. Bair.

"I can not close without a few words about the excellence of The Feather, especially for the past few months. Your pictures are fine, and the print is so clear owing to the fine quality of paper which you use, as well as the evident disregard to expense shown all through the make-up of the magazine. It gives the poultrymen (and women) a clean, wholesome, beautiful publication. Long may it flourish."—Mrs. Frank Metcalf.

"The Feather is a splendid paper, well worth the price."—H. B. Dynes.





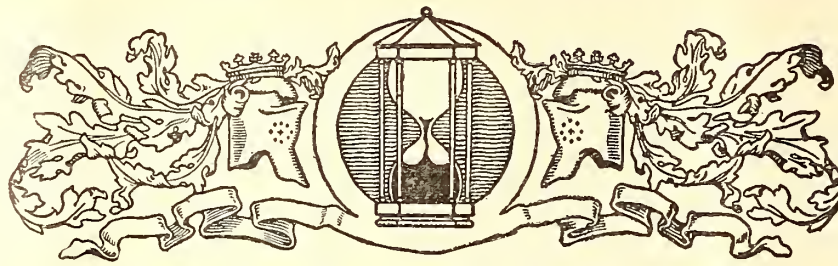
TO BE IN close touch with the world's methods, one is apt at this time to be inclined toward making new resolutions and promises, or as often stated, "turning over a new leaf." This has been done to a great extent with THE FEATHER, commencing nine months ago with what we have been pleased to term "The New FEATHER." Each issue from that time to the present has been more attractive than its predecessor. Nothing published of like character has surpassed the June, November, and December issues of THE FEATHER. This issue speaks for itself. We feel that the experience gained in the past ten months has opened our eyes to the possibilities of a poultry publication.

We hope to continue along the path selected, and to improve each issue so that our readers will begin to wonder how far it may be possible to go in presenting poultry in a new light. The pathway selected seems to be alone and apart from that followed by all other similar publications. As we write this, we have before us letters from the State of Washington, Oklahoma Territory, and Virginia, all of which compliment us relative to the lines selected, and request that we continue to follow this well-chosen path for two reasons: one, being for the entirely new and separate lines of thought, and the other, steering away from the sayings and teachings that have been so long followed as though essential to success.

Each month we devote a page to the interest of "Shop Talk." In this we tell of the most attractive features in store for our readers, write of illustrations, and make our public offers and requests. This one feature, while not original with us, was first used by THE FEATHER as a class publication. As mentioned by one of our great dailies, no compliment can equal imitation. Publishers in the same class with us can not heap a more valued compliment upon us than by imitation. One well-known writer states that THE FEATHER, through its methods, has forced others into improvement. We do not mention this in a braggadocio manner—only referring to same as a token of approval for what we have done.

Nearly ten years ago the editor of THE FEATHER began to consider issuing a poultry book. At that early day, plans were outlined. Since then improvements have been made, until now we are able to present to the world the prospectus of the most complete book for the amateur, the fancier, and for large and small growers alike. This work tells of the good qualities of all the breeds, illustrating in a comprehensive way the type and breed characteristics; coupled with this are detailed illustrations of features from each section of the birds. This book represents years of thought. From a literary and artistic standpoint, it will be unsurpassed. We believe that more has been accomplished for the future of the poultry interests in compiling this book than through any other medium.

The book will be from press at an early date, and orders will be filled in order of rotation. The price of the book will be \$2 per copy. The book will be bound in linen cloth, stamped in gold, and printed on extra fine enameled coated paper.



## THE FEATHER

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Number 4

GEO. E. HOWARD, Editor

T. F. MCGREW, Associate Editor

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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

In our December issue we published an article by one of the most successful growers of Sussex fowls in England. This article was illustrated by its author. The similarity of the Light Sussex and the Columbian Wyandotte is quite noticeable. The Sussex fowl is one of the great market fowls of England. They might be compared to our Rhode Island Reds, market purposes considered. Some of these have already been brought to this country and kept simply for market poultry. Undoubtedly, they are destined to become popular in the show rooms of England. Like the Faverolles, the Lackenvelders, and the Campines, their future with us is unknown.

We have in hand for publication an article written by an English divine on the Campines. This we hope to publish with illustrations in the near future. The Campines were at one time slightly favored in this country. Having been removed from the Standard, they were almost forgotten until of late the furor in their favor has so stirred the poultry press of England as to call forth unusual comment from the press, the Dairy and Crystal Palace show winners attracting unusual attention.

The article on Sumatras in this issue of THE FEATHER will, undoubtedly, be generally considered throughout the country. More or less correspondence has passed from fancier to fancier in different parts of the world. The English publications and some of our own have paid their respects to this one of our oldest breeds. We have endeavored to gather into one article the best information possible to be obtained from all sources. We regret not having an original letter from Mr. Bicknor on this subject. This may come later, as the result of bringing forward so prominently this beautiful, extremely attractive fowl.

The recent visit from the representative of the Poultry Association of Japan to our office aroused our interest in Japanese Game, or long-tailed Phoenix fowl, and

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**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

the Japanese Bantam as well. Our readers who may have new and original unused photographs of any of the varieties of the Japanese Bantams, or of the Phoenix, or long-tailed Japanese fowl, are invited to send them to this office, to be considered in illustrating an article about them.

The article entitled, "The Exhibition White Wyandotte" in this issue, was written in answer to numerous requests for a more severe criticism of Wyandotte type and the cultivation of color. The writer of this article can not but express sincere thanks to all those who have written him relative to this article. Those who differ with us are most cordially invited to send in their thoughts and opinions relative to same; those desiring special information will find their requests carefully answered. The woman fancier from Kentucky, who requested more information on line-breeding, will find an answer in this month's issue; others to follow monthly. We trust that every one having a desire for information of any character will write us asking for this information. Such requests are most thankfully received.

This month will be very active in the way of poultry exhibitions throughout the United States and Canada. The great New York Show occurs the first week in January; the Auburn Show, and the meeting of the American Poultry Association the second week in January; the great Boston and Cincinnati Shows the third week in January; Washington, Chicago, and others during the week of the 22nd of January. In addition to these, more than twenty other poultry shows will occur during the month. There is a clamor for judges, with a disposition toward catering to the selection of judges by clubs. All of this shows a most healthy growth, which can be greatly enhanced through the determined demand of Clubs, exhibitors and breeders alike for a more perfect adherence to the Standard in applying same in the exhibition hall. There is no possible chance to escape the accusation that the Standard is not as directly applied at present as it should be.

We have been very outspoken relative to the consideration of type in the article referring to exhibition White Wyandottes. This same may be well applied to every kind and variety of fowls placed in the exhibition hall. Whenever a judge permits himself to go so far astray as to overlook weight and breed characteristics through the enticing influence of color, he is not judging according to the Standard, but to please his own individual fancy for color. We hope to be more concise in our report of the great winter shows than ever before. We believe that the record of the unvarnished facts relative to all classes is due to the readers and subscribers. Nothing is more unpleasant than to be called upon to record a mistake. Nothing, however, seems more of a duty to us as publishers.

Publishing show awards has become an impossibility. If the awards in all the shows of the past winter were published, no poultry publication would have space for any other information for months to come. The exhibitors themselves and a small per cent. of fanciers hail them with delight, believing them to be the most valuable of all advertising matter. While this is true, 90 per cent. of the subscribers have but a slight interest in them. We have always done the best we could with reference to these matters, and hope to continue to please our readers along these lines as much as possible in the future, but can not promise to publish the awards of the several hundred shows as requested.

Never in the history of poultry growing has there been such a demand as at present for incubators, brooders, and poultry appliances of all kinds. All of the leading manufacturers are more than pleased with the business of the past year. Never has there been brighter prospects for the future. Every one should realize that the advance in the cost of materials used in the manufacture of machinery must compel an advance in the price of all poultry appliances. Everything that we eat, drink, wear, or use in our homes has advanced in price. Poultry and poultry products have kept pace with these advances. There is no reason why every purchaser should not recognize these facts, and willingly accept an advance in the price of machinery so valuable in poultry growing.

Nothing of like character has equaled our recent articles on the Muscovy Duck, Thanksgiving Turkey, and the Christmas Goose. A world of information has been gathered together and presented in them. Almost equal in value is the lesson on preparing pigeons for the table. All of this labor has been expended in hopes of making more pleasing, attractive, and valuable as food poultry products, including squabs.

We regret very much to learn of the recent death of Ambrose L. Thomas, one of the originators of the Lord & Thomas Advertising Agency. Mr. Thomas has been long and faithful in the work, and to his credit may well be placed to a large extent the successful conditions of the grand business organization of advertising agencies all over the world.

The editor of Poultry Husbandry might look through the columns of the December issue and study the art of selecting Wyandottes and Plymouth Rocks. Even those of us who are most careful will at times slip up when we least expect it. We should not imagine that all the errors occur away from home.



## Outward Appearance

**N**OTHING has equal influence in the exhibition pen, in the breeding yard, in the market stall or on the table as appearance. Appearance truly goes a long way in everything, with fine appearance as a winner every time.

The two most attractive features in the exhibition hall are style and finish. Style might be described as the perfect assembling of all sections of the fowl into one perfect whole, which is called shape, or the breed characteristics for each breed. This might be changed to read instead of style and finish, "true breed characteristics, shape and finish."

The one section which has the most influence after shape, is head points. If the head, comb, face, eyes, wattle, neck and hackle are all complete and of perfect finish, they immediately catch the eye of every passer-by as well as the judge, and carry with them almost untold influence. Following this comes the carriage of the wings, the laying on and the color of the plumage. One might say that this describes a perfect specimen, yet we have often seen a grand, attractive specimen, which every person would select as of the very finest class, turned down by the application of the score-card, which guided the manipulator from outside perfection of shape and finish to seek beneath the surface plumage for the express purpose of finding some fault with this elegant specimen, which would place the manipulator on a pinnacle as something better than the usual through having the nerve to turn down the best specimen he ever met with, simply because there was some little fault beneath the surface plumage.

Then, again, take two specimens on any plane of thought that might be advanced, if for the production of exhibition specimens, more than likely the most attractive appearing specimens would have the strength and vigor to reproduce a much higher degree than one less pleasing in appearance. Most certainly he would be the most desirable for the production of utility products.

The application of the score-card fails in two features which can never be altered. If an amateur or a school-boy was making this statement, it might lack consideration, but the experience of the writer and the experience of every score-card judge in the world must lead to the final conclusion that the use of the card of necessity confines consideration to the one feature of hunting for defects and discounting therefor, without the least chance or opportunity to give cases credit for any unusually fine development. The use of the score-card continually compels a diligent search for defects, and recording same against the specimen. No place has ever been or is likely to be allotted for crediting superior excellence.

Then, again, the continued search and hunt throughout the plumage for slight

or greater defects so disturbs the equilibrium of the specimen under consideration as to take away from his individuality, that one most important feature as above described as style, shape or breed characteristics. No specimen in the exhibition hall that has been handled one or more minutes in the search for defects ever staid in the coops and gained the credit he should have won, nor is there ever one-third as much dis-

a show room, and is asked "which kind of shape do you like on a Plymouth Rock or a Wyandotte," one may know immediately that there is no settled understanding of type in that locality. There can not possibly be but one shape or type for any breed or variety. The shape should be the same the world over. Whenever there is any question raised as to what is the proper shape under such conditions, it may be quickly concluded that the type has but little consideration by those interested.

We noticed a short time since in an article published on comparison judging the statement made that the winners of the great eastern shows are often turned down in the smaller score-card shows in other localities. We have also noticed score-cards placed in front of Leghorn-shaped Brahmas with such ridiculously

Why is it that some particular score-card advocates apply the rule so differently in St. Paul and Minneapolis from the way they are applied in Massachusetts. The writer of this article purchased a high-scoring specimen from a northwestern show room that was scored by a judge most highly considered throughout the country. When confronted with the score-card and specimen and asked how it was possible to make such a score on that specimen, the reply was: "You must be more lenient there than here." This is a condition thoroughly understood by the old-time breeders and exhibitors, scarcely believed by the amateurs and the beginners. This is one of the most detrimental features of the poultry business, one that should be changed as speedily as possible, and the best way to change this is likely to come through the study of proper methods of judging from those thoroughly well informed.

The beginning of this was started in Indianapolis within the past few months by Messrs. Hughes and Pierce. This is only the flashlight of what may be expected in the future. The study of these methods at the agricultural colleges, the teaching of the system of scoring in these localities leads to a deeper and closer consideration of the plans. Within six months we have seen a splendid demonstration of this through bringing into the one school a 95-point White Plymouth Rock female from the west to meet a 93½ point female from Connecticut. Placing these side by side in separate coops with their records was an object lesson that will never be forgotten by the fifty or sixty students who witnessed the presentation.

## News Items from Many Localities

The Department of Agriculture of the United States has finally consented to admit that the poultry interests of the nation needed the attention of at least one or two men in its interest at the capital of the nation within the walls of the building devoted to the interests of agriculture. A congressman from Iowa has finally spoken in favor of this interest on the floor of the House. Maine, New Hampshire, Massachusetts, Rhode Island, New York, Connecticut, Delaware, Minnesota, Missouri, Oklahoma, Arkansas and California devote some funds to the teaching of poultry husbandry within the state educational institutions. It has been stated that the amounts devoted to or invested in the interest of poultry husbandry in these several states ranges from one hundred to eight thousand dollars. Does it not seem a shame, an imposition on the followers of poultry husbandry that mere pittance of this kind are doled out by the law-makers toward the cultivation of the greatest live stock interest in the world?

It has been stated that the students in attendance warrant a greater outlay than has ever been granted in this direction. At a lecture on turkey growing in one of the large colleges of the country, nearly a hundred students were present. Among these were two from Japan, one from



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count made upon the score-card as should be for these defects in shape, which are so prominently displayed at such times. The beauty, clearness, and the purity of plumage has for such a long period of time held the balance of pure in the use of the score-card, as to have to a greater or less extent destroyed the breed characteristics in many localities, until the understanding of symmetry or the shape of a breed has been almost entirely lost sight of among breeders and exhibitors of that locality. Whenever one goes into

high scores as to be laughable. We have also seen a grand, fine, elegantly shaped Brahma discounted on the score-card to a laughable extent, evidently by some one who mistook the elegant shape of the Brahma as leading toward the Cochins type. If these judges were called upon to score the true Cochins of the present day, we imagine they would mark the tickets balloons, not poultry.

There is just one more item in connection with this that should have the gracious consideration of the judges:

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India, and several from other foreign  
countries. As much interest was shown  
in these lectures as in any others in the  
whole agricultural course. Why more is  
not done for this interest, which is the  
peoples' interest, an interest that each  
individual can take up himself, is a prob-  
lem yet unsolved.

The question of insect destroyers, the  
obliteration of boll-weevil and other in-  
sects have had more than passing con-  
sideration in the last year or two. It is  
claimed that a few mother hens with  
broods of chicks roaming through the  
cotton fields remove the danger of the  
great destroyer known as the boll-weevil  
in the cotton fields. Hens with broods  
of chicks that live upon asparagus beds  
destroy the insects and bugs that have  
so injured the asparagus plants of re-  
cent years. It has been suggested that  
flocks of guineas would be much more  
certain destroyers of all these insects than  
young chickens. The trouble with the  
guinea fowls is the impossibility of cor-  
ralling them within a cotton field. They,  
like the turkeys, would soon wander away  
and leave the confines of the cotton fields  
for underbrush and wooded fields. Un-  
doubtedly turkeys and guinea fowls are  
of the greatest value in localities where  
grasshoppers, insects, bugs and worms of  
any kind interfere with the growing  
crops. The injury done by turkeys and  
guinea fowls is too small almost for con-  
sideration. When considered in compar-  
ison with the good they do in the direc-  
tion of destroying the insects, the harm  
they do is so small as to be almost  
ignored.



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varieties at reasonable prices. Full count and  
healthy chicks guaranteed. Are booking orders  
for spring delivery. Send for booklet and testi-  
monials.

**FREEPORT HATCHERY,**

Box F, Freeport, Mich.

12-4

**Eggs ALL WINTER**

Feed  
your hens  
right and keep  
them warm and  
they'll pay you back  
with plenty of eggs.

My "Vigor Foods" make  
hens lay and keep chickens healthy.

**Cypher's Incubators and Brooders**  
—new and improved 1907 designs and all  
other up-to-date supplies.

Write for Illustrated Poultry Supply Book and  
tell me your problems. I am sure I can help you.

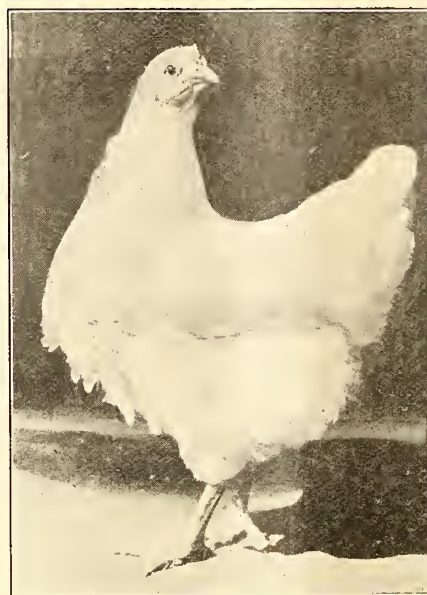
**Walter P. Stokes**  
Of the late firm of Johnson & Stokes  
219 Market Street  
Philadelphia



## Rock Hill Farm



LOCATED about two miles  
from the station at Os-  
sining, N. Y., is the Rock  
Hill Poultry Farm, the  
property of General Mc-  
Alpin, which is managed  
by F. W. Correy, the long-  
time successful manager of  
white fowls for exhibition.  
Specimens belonging to the  
Rock Hill Poultry Farm have constantly  
won wherever shown, beginning with the  
State Fair at Syracuse, 1905, going



WHITE WYANDOTTIE FEMALE FROM WHICH  
COVER ILLUSTRATION WAS MADE

through the entire winter in a blaze of  
glory at Madison Square Garden; again  
taking up the gauntlet at Syracuse; this  
year, up to the present time being suc-  
cessful wherever shown.

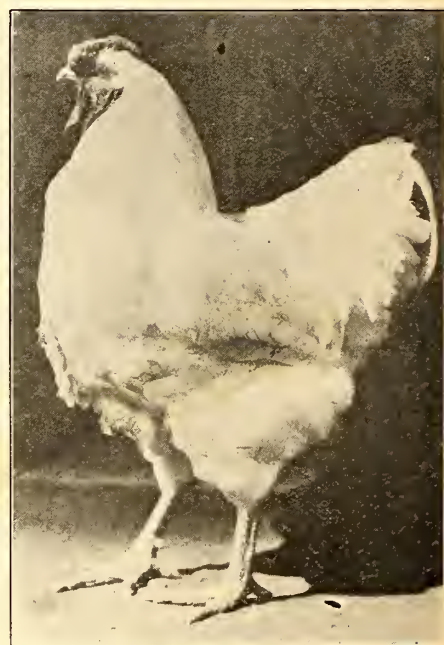
It is not the fame that grows abroad  
from the race-course that tells the best  
of breeding, neither is it always the blue  
ribbons won in competition that tells the  
tale of quality at home. Rock Hill Poul-  
try Farm is worthy of the name given it.  
It is built against the hillside composed  
of rocks; the young stock is continually  
giving athletic performances through their  
entire maturing period, being compelled  
as they are to travel over rocky hills in  
search of exercise and animal food. This  
has told to their advantage in the rugged-  
ness of form, in size, in strength, vigor  
and most complete plumage.

Some five hundred White Leghorn pul-  
lets, gathered without selection into one  
house, was a most pleasing, surprising  
pleasure to the writer. These were all  
large, well grown, beautiful white speci-  
mens, that showed strength and vigor that  
might well be envied, as well as size and  
exhibition qualities.

In other buildings were many hundreds  
of the White and Silver-penciled Ply-

mouth Rocks, White Wyandottes, and  
White Leghorns. The White Plymouth  
Rocks excel anything of their kind, we  
imagine, in the world. The Plymouth  
Rocks and Wyandottes follow in line with  
quality. We imagine that some of these  
will be present in the Madison Square  
Garden Show, speaking more than words  
can do of their real exhibition quality. In  
addition to all these are the beautiful Buff  
Cochin bantams, the grand quality in  
Muscovy ducks, as illustrated in our Sep-  
tember edition, and White Homers for  
squab growing. All of these have been  
selected and carefully bred for most per-  
fect exhibition and producing qualities.  
The young stock in both Plymouth Rocks  
and Wyandottes are remarkably attrac-  
tive, and should prove most advantageous  
for every purpose.

Our front page illustration is made  
from two of the pen specimens that won  
at Hagerstown. These were photo-  
graphed when the wind was blowing  
strong, which somewhat ruffled their  
plumage. The photographs are shown  
here so that they may be compared with  
the front page illustration to show how



WHITE WYANDOTTE COCKEREL FROM WHICH  
COVER ILLUSTRATION WAS MADE

near to life all these illustrations are  
made. Hundreds of specimens might  
have been selected at the farm that would  
have made illustrations equally as at-  
tractive. Among these two Leghorn  
cockerels, a Wyandotte, and a Plymouth  
Rock male bird, and a Wyandotte pullet,  
would each and all of them grace the  
cover page most attractively, and meet  
the strictest demands of the most careful  
fancier for elegance and quality.

"I am certainly lost without The  
Feather. It certainly is the best poultry  
paper in the market, because what I have  
read in The Feather I have proven in  
my yard."—Charles E. Sweet.

# Arnold's Columbian Wyandottes

**AUG. D. ARNOLD**  
Box H at Dillsburg, Pa.





## Courage of the Hen



WRITER in the Chicago Inter-Ocean, in speaking of the moral courage of the hen, states that she does her own work in her own way without assistance. Below we give his manner of presenting the case. While not particularly instructive along the lines of poultry culture, it makes more than ordinary pleasant cold weather reading:

"Reams of paper have been consumed by her admirers in efforts to do scant justice to the almost innumerable praiseworthy characteristics of the American hen.

"Essayists and poets have vied with one another in paying tribute to her patience, her modesty, her industry. Some of the best thinkers in our land, and our thinkers are perhaps among the best to be found in any part of the world, have dwelt with pleasure upon her unselfishness, her utter disregard of personal compliment, her studied avoidance of attention for strangers, her abhorrence of publicity, her untiring devotion to duty, her unswerving fidelity to a sacred trust.

"No man can be content to sit quietly on a fence, as many of our ablest students of natural history have done, whiling away the time by whittling a stick, or relieving the tedium with a cob pipe—no man, we say, who observes the American hen at a respectful distance, as she pursues her chosen vocation, apparently unconscious of everything around her, bent as she ever is upon her useful task, will hesitate to testify cheerfully to the fact that she possesses, and to a very large degree, the one trait in which the human race is sadly and conspicuously deficient. She does her own scratching, and attends to her own business.

"Individualism has been developed in the henyard, almost to the point of absolute perfection. No self-respecting American hen could employ an assistant in the carrying on of her work. She stands for free competition in the broadest sense of the term. Now and then, of course, it happens that two American hens see the same bug at the same time, and start for it simultaneously, but the unsuccessful competitor never thinks of taking the captured bug out of the successful competitor's mouth. Each Amer-

ican hen is on the alert constantly. Each goes to her own grasshopper, as a rule. If one succeeds in uprooting a worm, the other may observe the fact casually, but there is never any time wasted upon discussing the advisability of a division.

"The American hen is no socialist. She is out of sympathy with the eight-hour movement. She forms no sororities. She wears no union label. She rises with the sun and retires with the going down thereof, and during her hours of activity, beyond giving utterances to an occasional cackle, or naturally exulting for a few moments when she has laid an egg, she indulges in no frivolities.

"All these things, or things to the same general effect, have been said of her before, but she is continually surprising us with new claims to our admiration. An American hen passed through a great fire in Biddeford, Me., last week, with out deserting her nest. The flames roared above her. The smoke wellnigh stifled her. The water almost drowned her. But she remained at her post of duty. And when the excitement was all over she continued to sit amid the debris. It was warm and helped her with her task, and all Biddeford was amazed to see her issue from the ruins on Sunday last, followed by her brood.

"Nobody who knows the American hen, will claim that she is not physically a trifle too timid. She lacks animal courage. But that she is possessed of a high degree of moral courage, has long been conceded. It was moral courage that enabled the Biddeford hen to remain on her nest, fire or no fire, smoke or no smoke, water or no water, until she had hatched out her chicks. Surely among the many things we have to be proud of as a nation, we should not, in naming them to foreigners, overlook the American hen, who sees her duty, and does it, regardless of conflagrations or cold-storage plants."

"I enclose check for \$1 for the renewal of my subscription to The Feather and American Fancier for one year. I had intended to drop The Feather on account of having too many papers on the string, but find it so instructive and up to date that I have changed my mind, and am on the lookout for its appearance when due. —J. B. Wilcott.



But, you can make a hen lay by stimulating her egg producing organs.

### "HOME O" EGG PRODUCER

will make a hen lay whether she wants to or not. Never fails. Administered in the drinking water. Price 50 cents per package of 100 tablets, postpaid. Send for free poultry book "The Life Saver." Dept.

CUGLEY & MULLEN  
1229 Market St., Phila., Pa.

A GOOD INVESTMENT  
ADVERTISE IN THE FEATHER

### SUCCESSFUL POULTRY JOURNAL

FRANK HECK, EDITOR.

Subscription Price 50c Per Year.

Write for Advertising Rates.

The most prominent and successful practical poultrymen write for the "Successful Poultry Journal," and tell how they build their houses, mate their fowls, manage their incubators, feed both young and old, and, in fact, tell how they succeed and make money. Send for sample copy.

Successful Poultry Journal

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### Printing for Poultrymen

We have the very best equipment for doing all kinds of Printing.

From a postal card to a full bound book. Nothing too large nor too small.

Send to us for estimates on Catalogues, Circulars, Letter Heads and Envelopes or anything you may want in Printing.

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### STOCK AND EGGS CHEAP.

45 varieties Standard Bred Chickens, Pigeons, Ducks and Turkeys. Fine catalog illustrates and tells all about Poultry, feeding, care and our big premium offer. Best way to rid poultry of lice, etc., only 10c. John E. Heatwole, Harrisonburg, Va.

### Hatch Chickens by Steam



### EXCELSIOR INCUBATOR or WOODEN HEN

Economical and perfect hatching. Absolutely reliable and self-regulating. Thousands in use to-day. GEO. H. STANT, Quincy, Ill.



### Big Profits in Capons

Caponizing is easy—soon learned. Complete outfit with free instructions postpaid \$2.50.

Gape Worm Extractor 25c  
Poultry Marker.....25c  
French Killing Knife 50c  
Capon Book Free.

G. P. Pilling & Son,

Philadelphia, Pa.



for being a poor layer unless you know it's her fault. Often the food is wrong. Grains contain only a part of the egg-making materials.

### Rust's Egg Producer

contains the rest and in the right proportions so that every particle is used. One user writes: "Its use quickly doubled egg production." Its results are unequalled. Prices 14c to 25c per lb. according to size of package. Ask your dealer. Rust's Egg Record and useful booklet on poultry keeping free. Write.

WILLIAM RUST & SONS,  
Dept. N. New Brunswick, N. J.



### WHERE THE PROFIT GOES

If your hens are lousy they may pay for their keep, but the chances are the profit goes to the louse. Lambert's Death to Lice Powder will change it. Sprinkle it on from the shaker top can. A few applications will suffice. Then spray the roosts with Lambert's Death to Lice Liquid. You will see the effect in three minutes. Poultry won't pay unless kept clean and free of vermin. Alexandria, Ind., April 7, 1905.

Dear Sir:—I find your remedies the best I ever used and could not raise chickens without them.

MRS. A. D. SHIPP.  
Begin today. Order a sample lot and you will thank us for showing you. 100 oz. package for \$1.00; sample mailed postpaid 10c. Sold by all live dealers.

THE O. K. STOCK FOOD CO.,  
Monon Bldg., Chicago, Ill.

## S. P. S. MULTUM OVUM

Great Egg Producer and  
... Condition Powder ...

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



## S. P. S. CHICK FOOD

Stands in a Class Alone for  
Merit—Raises all your chicks

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



## Milk-fed Chickens

The poultry stations of the great meat packing house, Armour & Company, of Chicago, are described by Manager E. E. Hurlburt, as follows:

"We have a dozen of these stations scattered about the country. We do not raise the chickens. We buy them for market. About 25,000 chickens are thus cared for at each place, on the average.

"A feeding station, in the first place, must be scrupulously clean. It takes about twenty-one days to fatten a fowl, and every twenty-one days the chicken house is white-washed. It must be kept free from odor and dust. Perfect sanitary conditions are the vital principle.

"The chickens are placed in long coops and packed so tightly that they can only find room to move comfortably about. But they can not run about. They are fed from four to six times a day, according to conditions. The food consists of a porridge, of which corn meal and milk form the basic parts.

"The machine that is used to feed them is built on the lines of a sausage stuffer. A rubber tube extends from the receptacle. The feeder takes each chicken from the coop, places the rubber tube in its bill, and then pumps it full of food.

"Of course, every feeding station requires constant watching. Men go constantly up and down the line of coops and watch the fowls. Whenever a sleepily chicken that does not appear to thrive is spotted, it is immediately taken from the coop.

"At the stations where we have refrigerators we kill the chickens for market. In most cases we ship to our packing plant. Here the chickens are dressed and assorted, and packed ready for shipment.

"The only difference between the chickens marketed in this country and those we ship to London is the method of packing. English people insist that chicken be 'squatted,' that is, its legs must be directly beneath its body, as though the fowl were squatting on the ground. The American housewife cares nothing about that. All she wants is quality, and she pays little attention to the way the chicken's legs are arranged.

"In this country most of these scientifically fed chickens are bought by the better class hotels, clubs and wealthier people, who can afford to pay a higher price for such stock. Milk fed stock forms only a small percentage of the chickens annually eaten in the United States. Probably four-fifths of the supply still comes from the farm barn-yard.

"Ducks are raised on scientific lines. They are kept within an inclosure, limited in space, but food troughs amply filled, prevent them from roaming about in search of food, and they fatten rapidly."

"I like your paper very much. I take several, but like The Feather best."—J. E. Stevens.

"Please send The Feather for one year. Your paper is great."—G. W. Hoagland.

## COTTAGE FARM

H. S. BALL, Proprietor

BREEDER OF

Light and Dark Brahmas, Partridge and Buff Cochins, White, Barred and Buff Plymouth Rocks

Also Buff Cochins, White Japanese and Black Breasted Red Game Bantams Fowls and Eggs for sale

R. P. D. Box 115, SHREWSBURY, MASS.



## 1907 CATALOGUE FREE

Illustrates and gives prices of 45 leading varieties land and water fowls and eggs. Every person interested in poultry for pleasure or profit should have this free book.

S. A. HUMMEL

Box 38, Freeport Ill. 12-6

## Charcoal

\$2 00 Per 100 Lbs.

Freight Prepaid to Any Station in the U. S.

### Six Sizes

- No. 1 For Adult Fowl
- No. 2 For Young Chicks
- No. 2½ For Pigeons
- No. 3 For Brooder Chicks
- No. 4-5 For Mash Feeding

### Large Consumers and Dealers

Let Us Quote You on Large Lots, FREIGHT PREPAID Samples Sent

Thomas Bros. Co.

Beach and Columbia Ave. Philadelphia, Pa. 12-6

## The Electric

### The Best Incubators and Brooders on the Market

The Electric Incubators and Brooders are equipped with our **Electric Safety Alarm**, with a bell for your room or any part of the premises, that will ring at any desired rise or fall of the temperature, doing away with sleepless nights and uneasy moments. Instead of your watching our machine, it watches for you and calls you if it needs your attention. Winner of **First Prize Over All Competitors** at the Great Hagerstown Poultry Show, October, 1906. If interested write

The Hagerstown Incubator Mfg. Co.  
Hagerstown, Md. 12-4



Keep your hens in a laying condition all winter—feed **Lee's Egg Maker**. Every egg the hen lays is made from the food she eats—if she don't get the materials that make eggs she can't lay.

## Egg Maker

is composed mostly of granulated blood (deodorized)—a concentrated protein, the main ingredient necessary for a large egg yield. It does not contain a particle of sand, grit or cheap filler but every ounce of it is egg food. **Egg Maker** has been fed by successful poultry raisers for years—that's one reason why you should try it—the main reason is it pays. Price, 25c., 50c. and \$2.00 according to size of package. Sold by dealers or sent direct.

Just now you need **Germozone** to cure Colds, Roup, Frosted Combs and all ailments peculiar to this time of year.

### Germozone

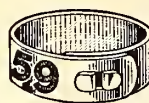
twice a week in the drinking water prevents sickness, cures Canker, Swelled Head and prevents Cholera. A 50c. package will keep your chickens well. Sold by dealers or sent direct.

This is the no bother kind of lice killer—no greasing, dusting or handling of fowls. Simply spray

### Lice Killer

on the roosts, nests—the lice die. Sold everywhere or sent direct. Price per can 35c., 60c. and \$1.00. Write for poultry books and "Mandy Lee" catalog.

GEO. H. LEE CO., Omaha, Neb.



## IDEAL ALUMINUM LEG BAND

To Mark Chickens  
**CHEAPEST AND BEST**  
12 for 15c., 25—30c., 50—50c., 100—75c.  
Frank Myers, Mfr., Box 54, Freeport, Ill.



## ALUMINUM PIGEON BANDS.

Seamless and open. 12, 20cts 100, \$1.00. Sample for stamp.

13-2

HARRY E. BAIR, D. F., Hanover, Pa.



## SQUABS

We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous **PLYMOUTH ROCKS** are the largest and most prolific Homers. Letters like these come every day: (Oct 8, 1906)

"Nine months ago I bought of you four pairs of extra Homers. I had to move them twice to make room. I have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers."

W. I. MacRey.

We have thousands of such letters. Send for our printed matter. Start small, grow slowly and learn the business. The new law in Mass. and N.Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

PLYMOUTH ROCK SQUAB COMPANY,  
334 Howard Melrose, Mass.

**PROF. JOHN EVANS & SONS' REMEDIES, FOR** Roup, Rattling in the Throat, Canker, Chicken Pox, Scaly Legs and Frozen Combs, have no equal. Price 50c Box. Send for our Circular of Columbian Wyandotte. Meshanticut Park, R. I. 12-12

## FOR SALE

Washington, D. C., Maryland and Virginia real estate, farms, country homes, timber tracts: historical estates, "poultry farms and small tracts." Washington City Real Estate Sale and Rent. Write what you desire; "Bulletin Free" 1000 bargain homes, \$1000, and up.

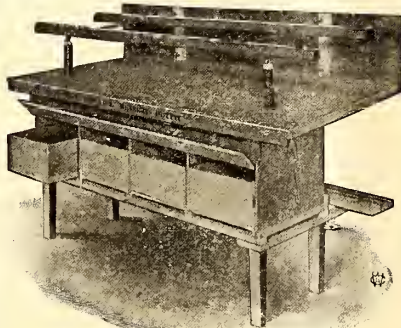
BOOTH'S FARM AGENCY,

"Ouray Bldg."

Washington, D. C. 12-11

## Do You Know—

the **POTTER SYSTEM** of selecting laying hens—the greatest discovery of the century in the poultry world? It is a simple, natural and scientific method of picking out the layers from the loafers. You keep only layers in your flock when you use the Potter System. Figure out in dollars and cents your saving and added profit. Our system is used and recommended by prominent judges, editors, and thousands of breeders. Write us to-day and learn what they say about it, and a dozen ways of making more money on your poultry. You can keep fewer hens; get more eggs and make more money if you know the Potter System.



## DON'T BUILD

that new hen house or think of fixing up the old one until you have seen our large, new 64-page catalog on Poultry House Fixtures. The biggest and best ever issued; over 50 illustrations showing hen-house fixtures in three styles and two sizes; also "Simplex" trap nests; W. P. attachment, etc. No poultryman can afford to be without this book. For eight years we have manufactured this line of goods. Thousands of poultry houses in every section of the country are equipped with Potter Fixtures. You can have convenient and sanitary quarters, and you can save time, worry and money by using them.

OUR CATALOG tells you how to keep free forever from those pests, **LICE** and **MITES**. It has cost us hundreds of dollars but we send it to interested poultrymen for one red stamp, to cover postage.

Write us to-day for free circulars on the **POTTER SYSTEM** and our new catalog. They will please and interest you.

T. F. POTTER & COMPANY

Box 11

Downers Grove, Ill.

## Our Agricultural Colleges

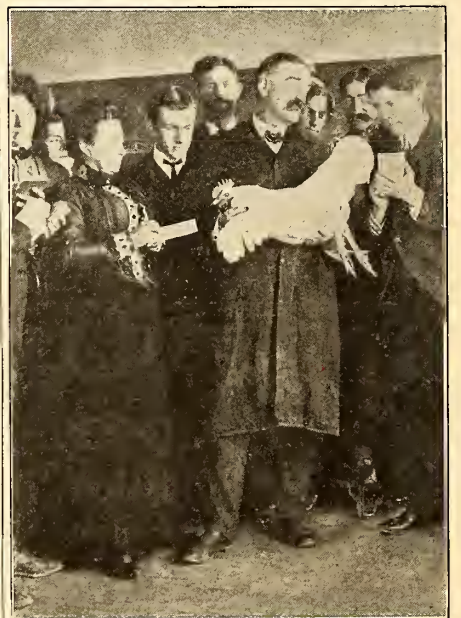


IN OUR June issue of THE FEATHER, we gave considerable space to the poultry department of the Cornell College, Ithica, N. Y. This college seems to be in the lead at the present time in work directly along the line of poultry problems. Mr. James E. Rice,

professor of poultry husbandry, sends us the prospectus of the coming winter show, and requests that every one interested in the special poultry course address "New York State College of Agriculture, Ithica, N. Y.," and ask for full information relative to the two courses to be given in poultry husbandry at that institution during the coming winter. Many bulletins have been issued relative to poultry matters, and the results of investigations made in New York state.

The Rhode Island Agricultural College was the pioneer in all kinds of poultry instruction. Under Professor Brigham this work was started and pushed to a remarkably high plane. Prof. J. Willard Bolte is now in charge of this branch of the work at Kingston. He has had great experience along these lines. He goes fresh from laurels gained in a western experimental station at the Rhode Island Agricultural College. The prospectus issued for the short course of 1907 is now ready to deliver to all who will write to the Agricultural College, Kingston, R. I., for same. Many of the students from both of these institutions have gained prominence as instructors in poultry growing. One of them, Mr. Slocum, from Cornell, now has a position with the United States Government as poultry expert.

The Connecticut Agricultural College, located at Storrs, Conn., has at the head of its poultry department, Prof. Charles K. Graham, a well-equipped person for the position. Mr. Graham has done more, perhaps, for the poultry interest of Connecticut than any other man who ever filled a chair at the Connecticut Agricultural College. He is fully equipped for the work, in great favor with the stu-



MR. I. K. FELCH GIVING LESSONS ON THE SCORE-CARD AT KINGSTON.





LECTURING ON POULTRY TOPICS AT THE KINGSTON COLLEGE

dents, and absolutely practical in every line of the work. These three colleges have turned out some of the best poultry managers of the present day. All anxious to know more of the handling of poultry should select one of these institutions of learning, and send to them for full information, having in view the entering of the poultry classes the coming winter.

## Some Valuable Advice



THE following we publish from the western Farmer and Dairyman. We wish to congratulate this paper for having selected such good things about poultry for transmission to the dairy farmers, some of whom seem to think the hen worthless as an asset.

### DON'T EXPECT

- Healthy hens in filthy quarters.
- Liceless fowls in liceful houses.
- Miteless fowls where the wrens, swallows, sparrows, and other mite-infested birds are let into nest.
- More eggs from a hen than there are in her.
- Extra eggs from pounded oyster shells, dishes and glass.
- Good digestion in hens without good grit and pure water.
- Twelve pairs of squabs in a year from one pair of pigeons.
- Incubators to run themselves.
- Incubators to hatch a larger percentage of eggs than hens hatch under fair conditions.
- Brooders to do their part without your aid or care.
- Uniform good digestion when the same kind of food is fed for weeks without a break.
- Satisfactory results with mongrel flocks.
- Vigorous fowls under coddling, pampering and general fussing.
- Good and strong chicks from eggs of weak hens.
- Profit from roosters in flocks producing eggs for the table.
- Profitable net returns from non-balanced rations.
- Healthy fowls from warm drinking water.
- Profit from neglected poultry.

"The Feather is neat and convincing."  
—Geo. B. Edwards.

## Diseases

As winter approaches more trouble will be experienced in the health of the poultry than during the summer months. It is true that the young chicks are often overcome with bowel trouble and diarrhoea by cold, dampness and poor feeding. Cholera, which may be caused by overcrowding during the hot summer nights, may also come as the result of bad feeding, unsanitary quarters and filth.

Scaly legs, which are a scourge in many poultry yards, can be traced absolutely to filth, damp quarters, and neglect. Roup, canker, consumption, sore eyes, may all be traced to dampness, cold draughts blowing through the houses, and unnatural exposure to inclement weather. Nothing causes these ailments as quickly as damp, unhealthy poultry houses in which the fowls are compelled to sleep. Diphtheria, canker and roup are all kindred diseases, which can be directly blamed upon those having charge of the fowls. If the birds have comfortable, reasonably dry, properly ventilated houses, with sanitary conditions, there is but little danger of these ailments unless they are caught by coming in contact with other ailing birds, or being shipped to and from shows in boxes or coops that are contaminated. Rheumatism, gout, and leg weakness is usually blamable upon hereditary conditions, inbreeding, overfeeding, or unhealthy, damp quarters. All of these diseases may be prevented by removing the possibility of the contamination.

"I have always had big sales for my Spanish chicks and eggs from my small ads in The Feather."—H. E. Chace.

"Enclosed please find order for The Feather and Reliable Poultry Journal, both for one year. I think The Feather is O. K."—H. J. Ker.

## PRINTING

HIGH GRADE WORK PREPAID  
50 Fine Business size Envelopes.....\$0.25  
100 Envelopes and 100 Packet Heads......75  
150 Bond Envelopes and 150 Letterheads.....1.50  
500 Envelope Slips, limit 150 words.....1.25  
MONEY SAVING PRICE LIST FREE if  
BALLOU PTG. CO., ANTRIM, N. H.

## MAKE YOUR OWN POULTRY FOOD

Good as the Best. Makes hens lay; keeps them healthy. Egg Preservative; keeps eggs perfectly fresh for months. Fumigating Nest Egg; drives lice and fleas from hens and nests. A great combination for poultry raisers. Write for descriptive circular to ECONOMY CO., 2304 Station G, Washington, D. C.

## Look for the Great Book

"The Perfected Poultry of America"  
By McGrew and Howard

Nothing on Earth Like it. Write for particulars to  
The Howard Publishing Co.  
Washington, D. C.

## FIDELITY POULTRY FOODS

Food "A" makes chicks strong, sturdy, vigorous; food "B" contains egg making ingredients that heap up the egg-basket; food "C" fattens fowls to get top-notch market prices. Feed them. Catalog free. Agents wanted.  
Pineland Incubator Co., Box 11, Jamesburg, N. J.

## Old Trusty

Is the easiest to operate because it runs itself.

I HAVE a good many thousand poultry raisers to back me up on that statement. You know I sold more Old Trusty Incubators and Brooders than any other manufacturer last year. Yes, I've got them all going. Because I've got the machines; I sell on liberal terms: I aim to deal fair; I don't quibble on little things.

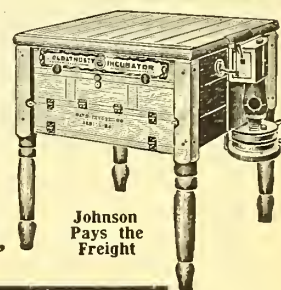
## Try 'Til You're Satisfied

Up to three months, if you want to. My guarantee's good for 5 years more, I can't be mistaken about what Old Trusty Incubators and Brooders will do for you—surest hatcher, biggest hatches, least trouble to run, safest brooding.



I'm willing to take all the chances while you are testing. Write for my 1907 catalog. My biggest, best book. I wrote it myself. Full of good poultry pictures and plain, straight talk about poultry raising. Free to everybody.

M. M. JOHNSON COMPANY,  
Clay Center, Neb.



Johnson Pays the Freight



## The Big 4

Heads of the Walter Hogan System, the Greatest Poultry Discovery of the Times.  
Keeps your yards filled with 200-egg hens—no middlings, no drones.

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you have but to apply the rules of the Walter Hogan System which teaches you—

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with poultry. There are only plain, easy rules to follow. Anybody can apply them when he has once been taught how. Doubles your eggs, saves half the expense—all the expense of keeping medium and poor layers. Nothing to pay till you know—"No Not One" Cent until you have tested it and know yourself that all we claim and more is true. A copy of the book free. Write for it to-day.

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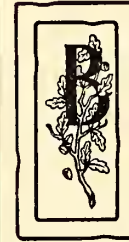
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**B. H. REIDER, Rheems, Pa.**



## Distemper Often Taken for Cholera

By I. K. FELCH.



UT distemper is no more roup or cholera than a cold is measles. The flock affected becomes dull and listless, face and comb red, face puffed. The fowls lose flesh rapidly. This strikes the flocks of American breeds when sixteen to eighteen weeks old as they

are dropping their neck plumage to put on their adult coat. If the breeder is observant he will notice an inclination among the fowls to remain on the roost or stand in warm corners. The second day a froth in the eyes in severe cases will be seen.

Under ordinary circumstances if bromide of potassium at the rate of two grains to each member of the flock be put into the water they will drink in the forenoon, then pure water given in the afternoon, and this continued for three days, skipping three days, then repeating, by the time three treatments have been given the flock will come out all right.

Of course there will be some aggravated cases—this is, the face and throat will have to be steamed by applying hot water with a spray, the tear tube cleared by blowing down through the nostrils into the throat. If feverishness and canker appear in the throat, then hold the specimen by the throat to keep it from swallowing, and fill the mouth with kerosene oil. They will gargle if held just right. Then turn the head down, and let the oil run out. This treatment given three mornings will cause the canker to slip off without leaving the spot raw. Never attempt to remove the canker with any instrument; the oil will do the work.

When there are symptoms of the trouble culminating into roup, bathe the face and throat in hot water that has had a dash of carbolic acid in it, and keep up the kerosene oil gargle until the canker abates. After the gargle at evening give a gill of milk, in which three to four grains of hyposulphate of soda have been dissolved. In the morning with the milk add six drops of tincture of iron. By holding the neck straight the milk can be passed into the crop as easily as to pass it in a funnel.

Roup is easily cured if taken in time. We hear of flocks that seem to be weak, lose their flesh, combs become limp and turn dark, they stagger and act as if going light, while their droppings have yellowish green streaks through it. Now, there are many causes that may bring this about. A majority of the cases have been caused by keeping too many fowls in one brooding coop, and added to this they have their ground food given them on the ground they have occupied as a yard. The water they have had to drink has been allowed to stand in the open, exposed to the direct rays of the sun, and the receptacle simply refilled and not cleaned. All of a sudden the flock is found weak, sick and dangerously near cholera, with deaths quite frequent, and who should wonder at it?

My readers, if your fowls are in that fix put two teaspoonfuls of saturated carbolic acid into a gallon of water for them to drink. They will be feverish, and will drink more or less water according



World's Champion of 1900 First Prize Sweepstakes Cockerel at New York show '06. Forty-five Winning Males at New York Shows have been bred by us the last Seventeen Years.

## The World's Record for 17 Years Bradley Bros.' Barred Ply. Rocks

We have Bred and raised more Highest Grade Exhibition Barred Plymouth Rocks probably than any other breeder in the world the last 17 years. At the last 17 Madison Square Garden Shows, New York. Birds we Bred and Raised, Won More First Prizes by over 25 per cent., than any other exhibitor has won on Any Stock during that time; also 25 per cent. More First Prizes on Exhibition Pens and Double the number of First Prizes on Cockerels, and nearly three times the number of First Prizes on Males, than any other exhibitor has won on stock net our breeding.

N. B. THESE FACTS ARE COMPILED FROM ACTUAL RECORDS CAREFULLY KEPT.

At New York Show, 1906, in a class of nearly 500 Barred Plymouth Rocks, representing all the Largest Breeders, WE WON as follows:

**The Prize of Prizes of the Entire Show, First and Sweepstakes**  
On Cockerel; the Best Record for Cocks and Cockerels; the Best Record for Cockerels alone;

### Spratts' Gold Special

For Best Plymouth Rock Cockerel or Pullet, any Color, Spratts' Fed; special for Champion B. P. Rock Male; and Special for

### Best Pullet Mated Exhibition Pen

Our First Prize Cockerel, "World's Champion of 1906," and his Sire are both pure "Bradley" bred birds—bred and inter-bred to our Deepest and Richest Producing Lines of New York First Prize Winners and extending back for Seventeen Years.. "World's Champion" through his dam is related to Three First Prize Chicago Males, all bred by us. For photograph of "World's Champion" see our circular.

EVERY ONE OF OUR WINNERS AT NEW YORK WAS OUR BREEDING PURE

**For Seventeen Years** birds that WE BRED and raised have won at New York Shows as follows: More First Prizes, by over 25 per cent than any other exhibitor has won on First Prizes on exhibition Pens; double the number of First Prizes on Cockerels; and nearly three times as many of First Prizes on Males, than any other exhibitor has won on stock not our breeding. N. B.—These facts are compiled from actual records carefully kept. Write for Large Circular and Particulars of \$1,000.00 Chick Hatched from Our Eggs. Both Sent Free.

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This reorganization is to procure additional capital to meet the growing demands of the business.

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Estimated profits based on present business, 7 per cent. on the Preferred and 6 per cent. on the Common.

Send your subscription to stock by certified check or money order. Stock will be allotted January 2d. at 3 p. m., after which allotment will close. Company reserves the right in case of over-subscription, to allot a less amount than subscribed for.

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The "Natural" will produce the strongest, healthiest and most vigorous chicks possible from artificial incubation.

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Prices cheapest, consistent with excellence of product. Machines are result of twenty-five years' practical experience. Write for catalogue and prices.

Address, ROBERT N. OLIPHANT, General Manager, 17 Escher Street, Trenton, N. J.



to their condition, and thus the dose will adjust itself. Give the fowls pure water at night when they go to roost with nothing to eat. In three days all that are to recover will look brighter and regain their appetite. Then feed a warm mash of equal parts of cornmeal, barley meal, mixed with hot milk, and with ginger, do not make it disagreeably hot, but palatable, and add fifteen per cent. of the mash beef scraps. The afternoon ration should be made up of cracked corn, wheat and oats, pure water, ground grit, sea shells and charcoal. If they do not eat the charcoal, pulverize it, and put three per cent. of it in their mash.

If you can procure it get Dr. Deckmann's nutritive salts, and give it in the mash at the rate of ten grains to a fowl, by dissolving the salts in the milk or water with which you mix your mash. Then feed in clean dishes and keep the water in the shade and furnish it fresh night and morning and thus restore your flocks to health. If they are shut up and have not had access to vegetable matter, furnish it for them at once.

## Some Beautiful Plymouth Rocks

We have given an unusual amount of space of late to white fowls, largely in answer to letters sent to our office seeking information relative to them. One of the most successful producers of White Plymouth Rocks is Mr. U. R. Fishell, of Hope, Ind. Mr. Fishell has paid more than usual attention to growing an individual breed, having devoted almost his entire farm to White Plymouth Rocks of the highest character. We believe that no one has ever sold White Plymouth Rocks at so high a price as he has obtained for them. We do not know of anyone growing an equal number, nor do we know of anyone having better quality than has Mr. Fishell.

We are just in receipt of information that Mr. Fishell has just had from the press one of the most attractive poultry catalogues ever published, and that he is most anxious to send one of these to every person interested in high quality White Plymouth Rocks. Those seeking White Plymouth Rocks, either for exhibition, for breeding, for the production of eggs, or for market poultry, should send at once to Mr. Fishell. Be very careful in addressing the letter, as there are several of his name in the same locality. Be sure to write to Mr. U. R. Fishell, Box F, Hope, Ind.

## Feeding Test for Egg Production

The poultry department of the Kansas State Agricultural College is now carrying on a feeding test for egg production with six pens of White Leghorns. Pen 1 is fed corn and ground beef scrap, a prepared food. Pen 2 is fed corn and casein, bought from the creamery. Pen 3, corn and Pape's food (wheat, corn chop and casein). Pen 4, corn and wheat. Pen 5, corn and millet. Pen 6, kaffir corn and ground beef scrap. The hens are practically the same age. Green food is given them in the shape of clover, alfalfa and various cut grasses and weeds, and oyster shell is before them all the time. The corn is fed twice a day, but all other food is kept before them constantly in hoppers.

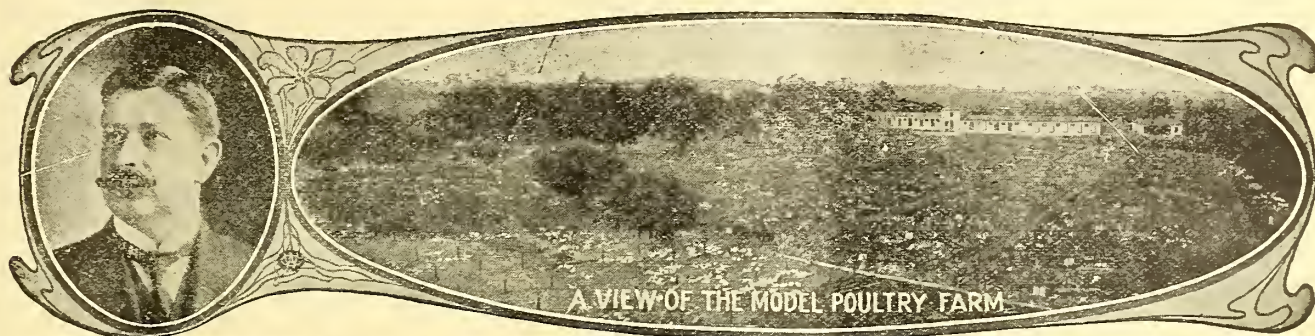
## Going Fast! U. R. Fishel's White Rocks At Special Sale Prices

ever, and will continue to be "THE BEST IN THE WORLD."

It is gratifying, I assure you, to see how breeders everywhere appreciate my Special Sales. The Birds listed this year are going fast, and it seems to me if you want poultry for pleasure or profit you should have a copy of my Special Sale List. are fowls that suit everybody. If you want business birds I have them in any size flock you desire. If you want to win those coveted Prizes at your County or State Fair I can furnish you birds that will do the trick nicely. The birds I am offering are bargains never equaled by any breeder. Send for my Special List. It is FREE. If you care to see my 48-Page Catalogue, send three two-cent stamps please. This Catalogue is worth dollars to any one interested in Poultry. I am pleased to say the U. R. Fishel White Plymouth Rocks are better this season than

U. R. FISHEL, Box F, HOPE, IND.

tf



A VIEW OF THE MODEL POULTRY FARM

# MODEL INCUBATORS AND BROODERS

Chas. A. Cyphers

**Sends a New Year's Greeting to All Progressive Poultrymen. Let Our Concentrated Aim be for More and Better Poultry, Higher Prices and Bigger Profits.**

## PROGRESS:

A New Year is with us, and those of us who have been actively engaged in poultry work feel encouraged for a fresh start;—feel that progress has been made. The reports coming in show that Model customers in every part of the country have increased their flocks, and in every way have had a most successful year.

Let the New Year be more successful still. Let us shun the fake, and work shoulder to shoulder for better poultry, higher prices and bigger profits. There is big money in market poultry and eggs. Let us go after it with renewed energy.

The work at the Model Farm the past season has given me a new grip on poultry matters. We have worked in a larger way, and accomplished some things heretofore not attained. We raised over 20,000 chicks with mostly portable equipment. We did this with Model Incubators and Model Colony Brooders.

While the Model Incubators and Model Methods were proving winners for the Model Farm, they were helping others to success:—helping others to build up flocks that were money-makers; to put their poultry farms on a dividend-paying basis. There is no sham about the farms where the Model equipment is used. They are not all buildings filled with emptiness, and garnished in the papers with the hot-air stories of those who sold them inefficient equipment and gave incompetent advice. Where the Model Hatchers are used you find real live chickens in goodly numbers; the mortgages paid; and a balance in the bank.

What a Model customer says who produced 7,000 layers with Model Hatchers:—

MR. CHARLES A. CYPHERS,

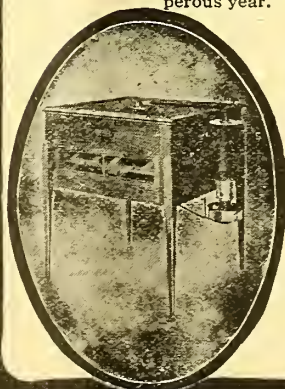
Lakewood, N. J., Nov. 14th, 1906.  
MY DEAR SIR:—To create a flock of seven thousand Single Comb White Leghorns means healthy breeders, and an equipment that will hatch and rear perfect chicks.

We sincerely believe that without the "Model" hatchers we could not have perfected our Lakewood Farm layers into the great profit payers they are.

Mr. Cyphers our results this last year will place us in the first rank of successful poultry farms; and we feel that we owe our success largely to you. The years of research and accumulated knowledge that have enabled you to give us poultrymen an incubator that hatches chicks; and the advice and counsel to which you have made us welcome, and which have helped us avoid money-wasting errors, have, with our own work, made the Lakewood Poultry Farm a financial success. We wish you and the Model a prosperous year.

Very truly yours,

LAKEWOOD FARM COMPANY, AUSTIN G. BROWN, Pres.



Write for catalog of these Model Incubators and Brooders; and let me tell you of the work at the Model Farm.

Also send two dimes for a copy of my book "Eggs, Broilers and Roasters." It gives the cost of production in all branches of the poultry business. It gives the market quotations week by week averaged for three years. It shows when a chick hatched any week in the year could be marketed as a broiler or as a roasting chicken, and the profit it would make. It also tells of the profits of egg production and how best to secure them. Write me today.

CHAS. A. CYPHERS,

316 Henry Street,

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## BUFFINTON

Will sell Buff and Partridge Plymouth Rocks, Buff and Columbian Wyandottes, Rose Comb Buff Orpingtons, Buff Leghorns, Buff, Black, White and Partridge Cochins Bantams.  
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and the grand work we are doing in the interest of Poultry and Pigeons, and our aim will be to even exceed our past efforts during the coming year. The other paper,



is one of the oldest and greatest of all farm papers. This goes without saying and no further argument is necessary. This is a winning pair and no family should be without them. For a limited time only we are offering

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Bred from Madison Square Garden Winners—and are winners. Eggs in Season.

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## MAKE GOOD MONEY

In Poultry business. Others do it. Why not you? Our big illustrated book, "Profitable Poultry," tells how to breed, hatch, feed, grow and market to make lots of money. Starts you on the road to success. Describes most wonderful Poultry Farm in the world—32 kinds of fowls. Gives lowest prices on fowls, eggs, incubators, everything for Poultry. Mailed for 4 cents in postage. Berry, Poultry Farm, Box 77, Clarinda, Iowa

## HATCH WITH A STAR

And be certain of success. Heat, ventilation and moisture, the three great essentials to incubation, are the strong points in the **Star Incubator**. Its patented features to control these elements put it away ahead of all others and insure **STAR HATCHES**. Catalog explains how chick drawer—contained in no other—works. Read it and you'll see why the **Star** outshines others.



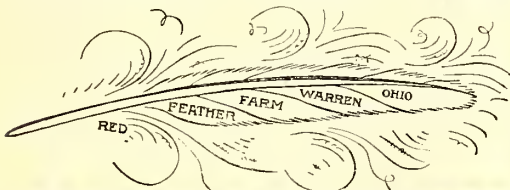
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40 scored from 90 to 95 by Orr and Sites Mated for the 1907 Egg Trade. Get the best from the Originator

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## The man behind a Planet Jr.

knows it takes more work off his hands, and makes him do better gardening, than any other garden implement. Besides, Planet Jr. Seeders, Wheel Hoes, and Cultivators are **guaranteed**—no other maker uses such materials or puts such work into his tools. Half a million users know how long they last

The New No. 6 Planet Jr. Combination Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow does the work of three to six men, and does it better. Opens the furrow, sows any kind of garden seed accurately in drills or in hills 4, 6, 8, 12 or 24 inches apart, covers, rolls the ground and marks out the next row—all at one operation. As Wheel Hoe, Cultivator or Plow it adapts itself to every kind of crop, and is used all through the season.

We are glad to send anybody interested, our New Catalogue showing 1907 Planet Jr. implements—Seeders, Wheel Hoes, Horse Hoes, One- and Two-Horse Riding Cultivators, Harrows, Orchard- and Beet-Cultivators—45 kinds in all. Write today.

S. L. Allen & Co., 1105 B, Philadelphia, Pa.



The Cornell Incubator Factory, built and owned by ourselves, is the largest and most complete Chick Machinery Factory in the whole world.

With the Guns and the Men Behind the Guns, we are prepared to give you the best that is made in Incubators, Brooders and Poultry Farm Appliances.

**ONE ARGUMENT IS THE FACTORY BEHIND THE HATCHER!**

Another point of vital importance to you.

We did our experimenting years ago. We have not changed the position of even one nail in the construction of the Cornell during the past three years.

There's a reason for it!

But why is it that the other fellows change regularly each season?

There's also a reason!

Write at once for our Free Catalogue. It describes the Cornell Chick Machinery and Cornell Method.

**CORNELL INCUBATOR MFG. CO., Box , Ithaca, N.Y.**



## Gleanings from Many Sources

The indications are that we will have a better crop of turkeys and water-fowl this winter than for several years past. There has been less complaint as to the failure of the turkey crop, and a smaller amount of blackhead has been reported in all localities. The handling of the subject has been taken up by the Agricultural Department of many states. In all localities their influence has been given in the direction of an infusion of new, fresh blood. It is thought that another year or two of this careful attention to the subject will bring back the cultivation of turkeys to their former condition, when they were quite as readily grown as other poultry.

Something should be done to obliterate chicken-pox as a scourge which too frequently inoculates all the poultry which gathers at the fall fairs. Those who travel about continually with large numbers of poultry showing them here and there and everywhere for many weeks during the fall fair season, often gather the scourge of chicken-pox into their display when permitted to enter these ailing specimens and to keep them for several days alongside of other healthy specimens. The scourge is quickly communicated and usually all the specimens in the display return home to infect the entire belongings of the plant from which they came.

A year ago, some very fine specimens were shown at a fall fair where these conditions existed. These fowls developed the chicken-pox soon after their return home. This ailment was communicated to the entire flock. Many losses were incurred, and the egg yield of the whole plant stopped for a considerable period of time. The management of fairs can not be too careful in cleansing and disinfecting their exhibition coops prior to penning the birds, nor can they be too rigid in the inspection of every specimen offered for exhibition. Every one affected with disease of any kind should be denied admission to the buildings where the poultry is displayed. If the fanciers throughout the country would take this matter up earnestly, they would soon drive out of the fair exhibits all ailing specimens. Roup, chicken-pox, and lice are often spread broadcast through the carelessness of exhibitors and the fall fair managers.

We clip the following from Western Farmer: "Term of incubation: Chicken hens, 21 days; pheasants, 25 days; common ducks, 28 days; pea-fowl, 28 days; guinea-fowls, 25 days; geese, 30 days; partridge, 24 days; turkeys, 28 days." To this might be added: Muscovy ducks, 35 days; pigeons, 19 to 21 days. Notwithstanding that this represents the average time of incubation, fresh-laid eggs of all kind not to exceed two or three days from the hen, will hatch much sooner than will eggs a week or ten days old, or later. We have known Leghorn or Bantam eggs to hatch between the nineteenth and twentieth day; also have known the eggs of common hens to hatch near the middle of or later in the twenty-second day,

and it is reported that some hens' eggs hatch as late as the twenty-third day; duck or goose eggs, one to two days earlier, also one to two days later than the time recorded above, influenced by the change of the eggs and the close attention of the one in charge of incubation.

There is one question that will never be downed—that is, the weight or size of eggs. Almost every paper throughout the country is clamoring for some law or some rule to govern the size or weight of eggs. One quotes from the rules adopted in Ireland, and states as follows: That the eggs purchased by one society, 40 per cent. weighed 13½ pounds for ten dozen; 40 per cent. weighed 15 pounds for ten dozen; 20 per cent. weighed 17 pounds per ten dozen. There were no eggs which reached the weight of 18 pounds per ten dozen. We do not know what might be the outcome of such careful investigation here in this country, but we do know that when a case of eggs reaches the exchange in any of the egg-buying districts, one which weighs 65 pounds or over brings a much better price if fresh and of good quality than those of a lighter weight. Ten dozen eggs weighing 17 pounds would be 17-10 pounds per dozen, or about 23 ounces to the dozen, which is a fairly good average for eggs as they go to market. However, cultivation for size might increase this, and it might be possible to bring the average up to 17 pounds per ten dozen, if there was some way to govern. Perhaps the new food law which is binging its influence to bear in many branches may extend its ruling to the quality and quantity of the egg product.

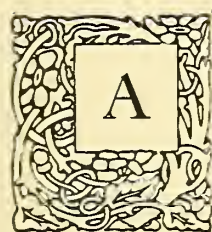
The Kansas Agricultural Experimental Station is preparing to carry on a yearly contest for egg production. One pen each of twenty-four separate varieties will be accepted for competition, the eggs produced to become the property of the station. They will feed, care for, and return the fowls at the expiration of the contest, but they will not become responsible for the loss of any while in their charge. Individual daily records, monthly records, value of eggs, rate per dozen, per cent. fertility, and the profit from each hen are the questions that shall have the most careful consideration during this contest. We wish that it might be that the agricultural society of every state would take up these matters and work them to the development of better egg yield and better egg-producing poultry in every state. The greatest amount of profit comes from the largest number of eggs that can possibly be produced by the individual hen during the year.

"I have disposed of all my ducks, and have but a few drakes for sale now. The demand has been something extraordinary this season. I could easily have disposed of several hundred more birds had I had them for sale, all through my little class ad in the feather and one other poultry journal."—Frank D. Fowler.





## The Exhibition White Wyandotte



AS PREVIOUSLY stated in our columns, we have promised in our series of articles on Science of Breeding to give our opinion and experience with this most worthy variety for the benefit of our readers. Having secured for our cover page the beautiful

illustration made from photographs taken at Hagerstown of the winning Wyandottes shown there by the Rock Hill Poultry Farm of Ossining, N. Y., we feel that the time is opportune for presenting same. Since the Hagerstown meeting we have visited Mr. Corey, the manager of the farm, and carefully examined the entire product of the year. Having in mind this article, much consideration was given this subject during the several hours' interview with the manager of Rock Hill Farm.

When writing the original articles on Science of Breeding that were published in 1898, we handled quite severely the question how best to produce Silver-laced Wyandottes and Barred Plymouth Rocks. Several of the most enthusiastic and successful breeders of these varieties, and some who are now editors of poultry journals took issue with the writer in his statements. Notwithstanding all this, time has proven beyond all question that the ground taken at that time was right. It is gratifying to be able to state that some of the most successful handlers of Laced Wyandottes of both varieties have voluntarily stated to the writer within two years, that they took as the keynote for success from the statements presented in the original articles.

In the first of this series of articles, published in the August and September issues of THE FEATHER, we paid special attention to the production of pure white plumage. Some of the oldest and most successful breeders of White Wyandottes sent us a letter complimenting our willingness to take such a stand, and suggested that we should go further and give the full particulars as to the crosses that have been

made in the production of the Wyandotte and how the White Wyandotte came into existence.

For some unaccountable reason the fanciers of America have grossly neglected the most valuable feature possible to maintain in the exhibition hall—that is, type or breed characteristics. Our English cousins are to be highly complimented on their determination to uphold breed characteristics. We at times laugh at



WHITE WYANDOTTE AS BRED BY J. B. FELT, 1898. WHAT IMPROVEMENT FROM THIS HAS BEEN MADE?

their utter indifference to slight defects such as the shade of under-color, or perhaps the growth of down between the toes. They can come back at us most ferociously in the statement that the American breeders, the American judge and the American amateur, are either absolutely ignorant of true breed characteristics in many cases, or else wilfully neglectful in their production and in passing judgment upon same. We need but turn twelve months back to the Madison Square Garden Show of 1906, and consider the diversity of type selected by the judge in placing his ribbons in the White Wyandotte classes. If the winning hen has been compared with the balance of her associates, no one would believe that all were of the same variety. The same was

equally true throughout all the Wyandotte classes, save in the Laced Wyandotte alone. We do not mean this as a reflection on the judge; he selected the best set before him in competition. The unfortunate part of the matter was that there were not ten females in all the classes of White Wyandottes that were enough alike to make possible the selection of a string all of one type.

Here is where we take issue with the breeders, exhibitors and judges in the Wyandotte classes, claiming that retrogression rather than advancement has been the order in this most attractive variety. Five years ago, at Boston, a White Plymouth Rock breeder and exhibitor of national reputation said to the writer: "Within five years we shall have the White Plymouth Rocks fully the equal of the White Wyandottes in every respect." In compliment to the breeders of the White Plymouth Rocks, all must admit that they have outrun every other variety in shape, breed characteristics, color and finish when time of actual existence as an exhibition specimen is considered.

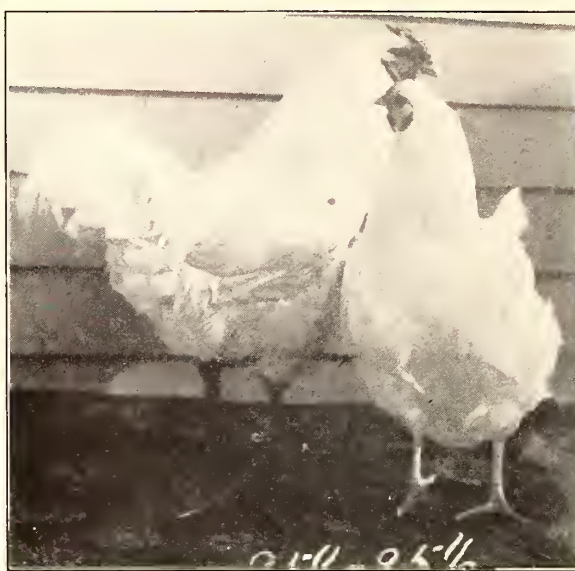
As previously stated, we fully realize that some will take issue with us as to these matters. Nothing is more beneficial than intellectual consideration of such matters. In fact, we court retaliation in the proper way, and shall welcome any statements contrary to or in accordance with what we may say along these lines. Again, more thought and consideration is given to the most exhaustive search for feathers, stubs, down, or the indication of there having been such on the shanks of a beautiful White Wyandotte, than is ever given to the consideration of true breed characteristics. Please consider for a moment that the beautiful Game Bantam oft-times shows down between the toes; even the beautiful canary may be found with a slight growth of feathers on its shanks. We would not approve of or encourage the presence of any of these in exhibition specimens, but consider absolutely foolish the fact that a whole regiment of people will be thrown into a turmoil of excitement over the knowledge that a specimen has been awarded a



prize which shows the possibility of there having been a stub in the shanks, when the whole concourse had been parading up and down and admiring a specimen free from disqualifications that has won a blue ribbon, but oft-times looks quite as much like a Leghorn or an ill-favored Plymouth Rock as like a Wyandotte, to which has been credited the award. "O, Consistency! Thou art a jewel." Why not apply it more determinedly to type and breed characteristics rather than to waste the jingle over a slight defect that we term disqualifications.

From 1897, until retired from the fancy, Mr. John B. Felt had undoubtedly the most perfect type of a Wyandotte ever shown. We do not except any one of the many varieties of this breed. Mr. Felt unquestionably had true Wyandotte shape in his fowls. The influence of this original best type of White Wyandotte can be followed down along the line to the present-day specimen of the White Wyandotte variety, and more than likely if carefully traced back to the original head, it will be learned that they have descended from the original Felt strain of Wyandottes.

This original type of Wyandotte undoubtedly contained a considerable amount of the blood of the White Cochins family. The true distinction between the Wyandotte and Plymouth Rock shape may best be illustrated by stating that the Plymouth Rock follows the true Brahma type when stripped of the recent influence toward a Cochins shape. The Wyandotte should follow Cochins type and breed characteristics almost the exact opposite of the Plymouth Rock, the one showing the elongated formation of the Brahma, the other the short, compact fluffy composition to a milder extent than is seen in the Cochins. In other words, the distinctive lines that should be most severely drawn between the Plymouth Rock and Wyandotte type is the shape as designated in one, rather long and broad; in the other, short and broad. We must be more positive in the distinction rather long as against the meaning of the absolute term as stated in the Standard, short and broad. Again, the back of the Plymouth Rock rises with a slight concave sweep to the tail in the male; in the female, with a gentle incline to the tail, while in Wyandottes,



A PAIR OF WHITE WYANDOTTES THAT WON HIGH HONORS  
IN 1902

the male, saddle broad, full, rising with concave sweep of the tail; in the female, rising in a concave sweep to a broad, slightly-rounded cushion, which extends to tail coverts. In body and fluff, the Plymouth Rock, moderately full in the male, the same in the female, while in the Wyandotte, fluff full-feathered; well rounded in both.

Now, how can it be possible with these absolute Standard demands staring us in the face, for a judge to overlook them and not to admit either that he is ignorant of these demands, or that he is determined to utterly disregard them in placing the awards? Along the same lines, what must we think of specialty clubs, breeders and exhibitors who encourage the utter disregard of these Standard demands by producing, purchasing and exhibiting specimens which do not meet the demands of the Standard save in color qualities alone, and hope and expect a winning on such, when they know that it is absolutely against the requirements of the guide which is accepted by all as the rule of perfection in the show room.

As to how or why the true type of the Wyandotte has been lost, several reasons can be given. First of all, the foolish preference paid to the pure white plumage without regard to breed characteristics. We feel that our next statement will be challenged, yet we can show before the winter is ended a hundred living examples of the following statement, which is, that the careless application of the score-card against shape, type, and breed characteristics and the over-zealous application of same for or against color, is largely to blame. We have examined many of these score-cards where specimens utterly devoid of true Wyandotte shape were scarcely cut three points for shape and color, in some cases so badly handled as to permit non-descript specimens to sail into the award list under the name of White Wyandotte. Be conscientious when you examine into these things, as the writer has done, and you will learn the lesson as he has, that true type in many, many breeds and varieties is being sacrificed at the altar of either ignorance, indifference or don't-care policy. If we are to have the much-desired improvement all along the line in exhibition specimens, the over-encouragement to color, and absolute indifference to type must be changed. If this does not have proper attention, we may as well obliterate from the Standard the description of shape and simply permit any shape secured through mating for exhibition color.

Many times it has been announced that the dominating association would license judges. Schools for judges have been established. There are a number of expert judges who fully realize the value of true breed characteristics, yet there are many who do not seem to understand this when their ability is weighed by examining their awards. To illustrate this, when closely questioned as to the value of a score-card placed before a specimen, the judge replied: "We can not be as severe in the consideration of specimens away out here as we must be at Boston and New York." He who made this statement has judged at both of these places. What a parody would be the statement that a teacher should not teach arithmetic and spelling the same in Dakota as in Massachusetts. If the poultry interest is to succeed and prosper throughout the entire world, the Standard must be applied the same in Alaska, Florida, California and Maine, as at Madison Square Garden or Boston shows.

Where and how has the injury come to the shape of the White Wyandotte? We answer, "in the foolish inoculation of the blood of the true Wyandotte with the White Plymouth Rock and White Orpington crosses. The White Plymouth Rock has destroyed the shape, the White Orpington has injured the shape of body and destroyed the color of shank and beak. There is no use of an exhibitor hoping to deceive those thoroughly well informed with the statement that the white-colored shanks were caused from the alkali in the soil over which they ran. Any one of experience need only examine the plumage, the skin, and the shank to detect the injurious influence that has been worked into the White Wyandotte to improve color. Even the Rose-combed White Dorking has been attempted by some. Several years of crossing is necessary for removing the fifth-toe influence. Even when sufficient time has elapsed to obliterate this defect, the influence of color, skin and shanks and the destroying influence of shape has not been removed.



WHITE WYANDOTTE MALE BIRD. SCORED 95%, FEBRUARY, 1905. SOLD FOR \$100.00. IS THIS THE ACCEPTED TYPE FOR WYANDOTTES?



THE WHITE WYANDOTTE MALE BIRD, WINNER OF FIRST NEW YORK SHOW OF A YEAR AGO. IS THIS THE ACCEPTED TYPE FOR WHITE WYANDOTTES?



The manner of producing shape and color of the highest character in White Wyandottes can only be through the selection of these qualities in the producing specimens. The production of absolute white plumage upon the body of any specimen that has skin, beak and shanks of a golden color is more of an accident than a certainty. Yet the Standard demands that this shall be. If we follow the awards placed for color, we will learn that beneath this absolute white plumage is hidden a pinkish white skin, and the beak and shanks so light in color as to be outside of the shade limit that even pale yellow would describe. When the Standard says, "Plumage pure white, quills and shafts included, beak, shank and toes yellow," this does not mean the kind of yellow seen upon the Orpington, but that shade of yellow which is commonly recognized as proper for the shanks of the Leghorn, the White Plymouth Rock, the White Wyandotte, or the White Cochin. When this color of skin, beak and shank can be produced, with plumage pure white, quills and shafts included to any extent, the fancier will have acquired a control over the color pigments of nature not yet given to him.

We have before us a score-card of a Buff Wyandotte pullet. This pullet is cut three-quarters of a point on typical carriage; one-half point in comb and one-half point shape of body, one-half point shape of tail. How could it be possible for a Wyandotte female to be perfect in back, cushion and all included, when deficient one-half point in tail? Then, again, has any one ever met with a Buff Wyandotte pullet whose shape was equal to only being discounted one point? Imagine the proposition of a Buff Wyandotte pullet that was only one and three-fourth points out of some sixty odd points in shape, when we know that Buff Wyandottes and Buff Plymouth Rocks have been exhibited and won prizes, all of which have been bred from the one pen of Buff Wyandottes. A gentle hint to the producer of White Wyandottes might guide them into two much-needed improvements. These are: size and shape of the females, both of which are more seriously neglected than have been the shape and color propositions in the



A BLUE-RIBBON WINNER OF THIS SEASON

white variety. We only call attention to this as an example of neglect in properly considering the true Wyandotte.

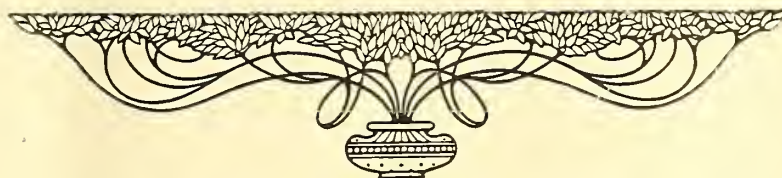
If the Wyandotte breeders intend to follow the true type in selecting fowls for the producers of specimens for the exhibition pen, if they intend to encourage and demand the placing of awards on true Wyandotte characteristics, a most determined effort must be made. If, however, it is the intention of all to utterly disregard these demands of type, why not alter the Standard, as above suggested, and use the one description for Leghorns, Plymouth Rocks, and Wyandottes? If, however, it is the determination to set them apart into true classes as to characteristics, then defend this position, and do not encourage other than true type in any breed. Do not wink at the selection by the judge of indifferent form in the placing of awards. Insist at all times and in all localities, at all exhibitions, whether great or small, upon

establishing and adhering to the true type that belongs to the breed. Whenever the judge, jury, or exhibitor can not distinguish between the Plymouth Rock and the Wyandotte breed characteristics, they are neither fitted to produce nor pass judgment upon the quality of same.

The one way to produce true Wyandotte type is to make use of such specimens only that have the proper shape to the highest degree. White can only be produced in its purity after the fashion stated in our issue of September last, from which we quote, as follows:

"White fowls to be true white must be bred from absolutely white-plumaged parents; quills of plumage clear to the skin must be pure white; better if the shanks are white or nearly so. In this way only can we hope to have the clear, clean, white plumage through and through. By continually following this rule, the yellow skin and shank will fade to a pale yellow or almost white color. This is detrimental to the market values, it is said. We question very much whether this will add to or take from their value as market poultry, providing that other qualities are of the best. It is quality and condition that counts most in dressed poultry, not color."

It will be readily seen that selecting continually for true pure white alone will destroy the color of skin and shanks, and invariably in following this the utter annihilation of true breed characteristics is the result by the time that the pure chalky white color has been reached. Better by far that the color of beak, shanks, and skin be maintained, with perfect Wyandotte shape, even though the plumage may be slightly tainted or off-color from pure, true white. Don't imagine for one moment that we would encourage in the least indifferent color of plumage. But at the same time, we ask this question: Which is best, to withstand reasonable cuts for coloring that clothes perfect breed characteristics, or to wink at indifferent shape in placing the awards, and cast all favors with the pure white color, even though breed characteristics may be sacrificed and the color of beak and shank changed from beautiful yellow to an unattractive, faded-out whitish lemon shade.



## Fertility of Eggs



SOME objections have been raised at times as to the statement of the small per cent. of living chicks produced, averaged the country over, from eggs placed to incubation. No matter what may be the cause of this, experiments at the

Rhode Island Station have proved the following facts: 8,677 eggs tested, 83 per cent. were found to be fertile; only 46 per cent. of the fertile eggs, or 38 per cent. of the total number of eggs hatched living chicks. Here is a test of nearly 9,000 eggs, under the most careful management of experts at the Rhode Island Station, which produced less than 40 per cent. of living chicks from the eggs. If experts do no better than this

with 9,000 eggs, why should the amateur expect to exceed 25 or 30 per cent. from the eggs under his supervision. Why are eggs fertile or infertile? Poultry kept in very warm quarters during the winter months do not seem to produce fertile eggs. If kept in cold quarters, fed grain with no exercise, the eggs show the least per cent. fertility. The facts seem to be that a very small per cent. of fertility is present during December and January. This improves in February and March; and is always much better in April and May, and the average highest per cent. fertility comes in May and June. The fertility begins to recede again toward the end of July, until it reaches the lowest normal conditions about the end of December. There are more reasons for this than atmospheric conditions or temperature. It seems to be nat-

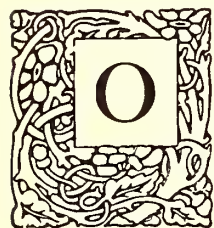
ural to fowls that this should be. The natural reproducing season would be in the spring, with the coming of the vegetation and bug and worm supply in the soil. At that time the greatest per cent. fertility is always noticeable, and up to the present time no mortal man has been able to change it, nor has any man been able to devise any plan, method or means whereby an average of 75 or 80 per cent of all eggs placed in an incubator, or under hens will hatch a living chick. We have known fifteen chicks to be hatched from fifteen eggs in May or June. But eggs from the same pen of fowls would produce but three or four to a nest in the earlier period of the hatching season. Nature has her laws laid down, which mortal man can not oppose or alter, even though he might wish to do so ever so much.





# Handling Leghorns for Egg Production

By L. E. KEYSER



ON THE large egg farms of this country Leghorns are used almost exclusively, and in the Leghorn country of New York and California the White variety is given the preference. The methods of handling these fowls in large numbers varies greatly with locality, and even on different farms in the same locality. I have visited a large number of Leghorn farms, and while some are getting all that it appears to be possible to get out of their fowls, others are following methods which might be improved upon. I find that the majority of breeders look upon Leghorns as tender fowls, and endeavor to protect them as much as possible during cold weather, believing that thereby they secure a larger egg yield. Consequently, I find many flocks closely housed and the quarters badly ventilated. This close housing has a tendency to make the birds tender and the early eggs unfertile.

I have adopted radically different methods with my flock from those generally in vogue on the large egg farms. I house my birds in open, curtain-front houses with close-roosting rooms, similar to those in use at the Maine Experiment Station, except that my houses have shed roofs and no glass windows. Since using these open-air houses I have come to the conclusion that glass has no place in a poultry house not artificially heated. It draws the heat out at night as readily as it draws the sun in during the day, consequently the house becomes very cold at night. Cotton cloth is a nonconductor and holds the heat, thrown off from the bodies of the fowls, within the house.

These open houses will average warmer than tight houses of like general construction having a glass exposure sufficiently large to admit light to make the house cheerful. I have never had a Leghorn hen freeze her comb in an open house, and if the comb does not freeze there is no danger from cold. Leghorns are so active that they will keep warm scratching in the litter, where some other fowls would be bunched up in the corner seeking protection. At night they are tucked away warm and tight, yet with plenty of fresh air filtering through the two curtains which are between them and out of doors. So



WHITE LEGHORN COCK

warm are these roosting closets that the droppings did not freeze on one occasion when the outside temperature dropped to three degrees below zero. The open house is always dry, consequently there is less danger of the combs becoming frozen.

Birds raised for several generations in open houses are better able to resist cold than those that are confined to close houses, and if this is followed with the growing stock—rearing them in open colony houses—they will feather more heavily than when warmly housed. It is the natural condition for fowls to be continually in the open air, and the nearer we can keep them to nature and keep them comfortable, the better will be the results obtained, even though we are encouraging them to lay out of the natural laying season. Some say: "Give the hens summer conditions and they will lay." Confining them in a close, damp house is not summer conditions. The hen naturally lays the most in March and April, when the weather is cool, yet such that she can exercise out of doors. In the open house we give outdoor conditions, while protecting her from wind and storm, and this, I believe, more nearly meets her requirements than a closed or even artificially heated house.

My method of feeding is very simple. I have no extended menu, no cooked food, or moist mashes. I endeavor to cut out all useless work, and have the ration of the simplest kind that will give satisfaction to the fowls and bring returns in eggs. I have no set formula, but change the feed according to the market, buying such feeds as I find the most economical; always bearing in mind that the ration must meet two requirements—to be palatable and contain the right elements to sustain the body and produce a full supply of eggs. I believe there is considerable misunderstanding in regard to the proportion of the different food elements that are required by hens during the laying period. Careful investigations, founded on numerous experiments, show that an average Leghorn hen, weighing four pounds, will need 27 of an ounce of protein to keep her body in repair and build up broken tissues, and will average to use 220 calories of heat and energy each day. These are the requirements of a four-pound hen for body maintenance.

According to the Cornell College of Agriculture, fresh eggs contain 65.7 per cent. water, 12.2 per cent. ash, 11.4 per cent. protein, and 8.9 per cent. fat. A good average for Leghorn hens is 175 eggs in a year, and this number of eggs should weigh twenty-one pounds. To produce these eggs the hen must consume food containing 2.6 pounds ash, 2.4 pounds protein, 1.9 pounds fat, in addition to that required for body maintenance, which is 6.2 pounds protein and material from which to draw 80,300 calories of heat and energy. Heat and energy may be drawn from protein, fat, and carbohydrates, but as the latter are the cheapest elements, and are found in larger quantities in nearly all vegetable foods than either protein or fat, it is economy to draw our heat and energy from this source. The fuel value of one pound of digestible fat is estimated to be 4,220 calories, and of a pound of digestible protein or carbohydrates, about 1,860 calories. Then, in order to produce 175 eggs in a year the hen should have food that will supply about three pounds of ash, 8.6 pound protein, 1.9 pounds fat, and 42.1 pounds carbohydrates, or their equivalent in fat or protein. It will be seen that the indicated nutritive ratio of the ration to supply the needs of the body and produce 175 eggs in a year is 1:5.4. This is the



average. In summer I reduce it to about 1:5, and in winter widen it up to 1:6 in extreme cold weather. We can only follow these figures approximately, and often a considerable variation for a time does not seem to materially affect the yield. Some feeds seem better than others, irrespective of the nutrients shown by analysis. In making the above figures I have allowed for some waste, as there is always more or less food that is undigested, and some hens will not digest more than half they eat, while others will account for nearly all the food elements given them. Then there are hens of the beef type, which use the food to build up the body and store up fat instead of converting it into eggs.

Some hens require more feed than others, and all will eat more when laying than when not laying, so it is a hard matter to feed a lot of laying and non-laying hens in the same flock, and be sure each hen gets all that she requires and no more, especially if we feed them by hand.

Water is an important element. The egg is over 65 per cent. water, and the hen requires about forty pounds of water in a year for use in the body alone, so she will average to consume about fifty-four pounds in a year, including that found in the food. If the water supply is short it will materially affect the egg yield. I make it a practise to see that the hens have water at all times. I have known fifty hens to drink from four to six gallons of water in a day.

My method is to mix a dry mash, composed of such mill products as I would ordinarily use in making a moist mash. This mash meal is placed in a feed box, and the hens are allowed access to it at all times. The mash meal is mixed in quantities and stored for future use. The hoppers are never allowed to become empty.

Beef scrap, charcoal, and grit are kept in another hopper. Early in the morning I scatter a small amount of mixed grain—usually wheat, corn, and oats—in the deep litter or the scratching pens. In the afternoon I give another small feed. This is given about three o'clock in winter and five o'clock in summer. While the hens like the mash, they do not eat of it to excess, and will scratch for the last kernel of grain in the litter. There is no need of any of the birds going to roost hungry, and they can regulate their food supply up to the full limit of their laying capacity. If the hens are not laying as they should I decrease the quantity of grain and compel them to partake more plentifully of the mash, which is of a higher protein content than the grain.

As the mash meal should contain a larger proportion of protein than the grains and a relatively smaller amount of carbohydrates and fat, it is an easy matter to correctly balance the ration by increasing or decreasing the amount of grain fed. That is, if we desire to narrow the ration we feed less grain, and to widen it, we feed more grain. The hens will consume about the quantity of feed they require whether it be grain or mash, but will always give grain the preference. The object in feeding for eggs is to induce the hens to eat all they can possibly assimilate, and the more they exercise in the open air the more feed they can consume and make use of.

Green food must, of course, be supplied. Here is where I like to make the variety in my ration. I use everything that comes to hand that the fowls will eat—chopped small potatoes, beets, mangels, clover hay (dry), cabbage, and turnips. Sometimes I boil potatoes and turnips and give them as an extra feed at noon, but I only do this

when I have plenty of time, and the ration seems to lack variety.

There is no "best" formula for a mash meal. We must be determined in our choice of feeds largely by the price. We want a mash that will contain about one part protein to four parts carbohydrates, plus fat, or even a greater proportion of protein, so when we feed a suitable amount of grain in the day's ration will be about as indicated above. Above all have the mixture palatable. Mash meals should be so compounded that a quart will weigh about a pound or a little less, and the fowls will not tire of it so readily if made up of a mixture of several products.

I append a few types of mixtures which have been used and found very satisfactory for dry hopper feeding. The first is one used at the Maine Experiment Station, and which was designed for Plymouth Rocks, but is equally effective with Leghorns. No. 2 is one that has given me the best results at the least cost, when buckwheat middlings could be secured.

No. 1.—200 lbs. wheat bran, 100 lbs. corn meal, 100 lbs. wheat middlings, 100 lbs. linseed meal, 100 lbs. gluten meal, 100 lbs. beef scrap. Nutritive ratio, 1:3.9.

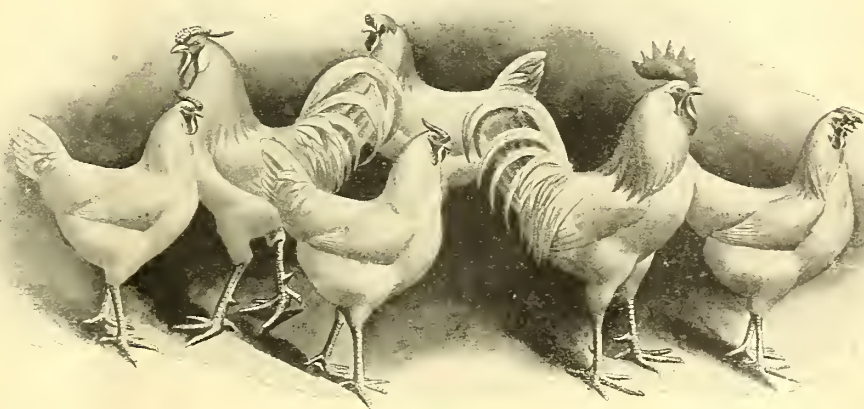
No. 2.—Equal parts by weight of wheat bran, wheat middlings, and buckwheat middlings. Nutritive ratio, 1:3.7.

No. 3.—100 lbs. wheat bran, 100 lbs. corn meal, 50 lbs. ground oats, 50 lbs. gluten feed. Nutritive ratio, 1:4.9.

No. 4.—Corn meal, 50 lbs., ground oats, 50 lbs., beef scrap, 10 lbs. Nutritive ratio, 1:4.1.

No. 5.—Equal parts by weight of bran, fine middlings, and corn meal. Nutritive ratio, 1:6.8.

No. 6.—100 lbs. bran, 100 lbs. flour middlings, 100 lbs. gluten feed. Nutritive ratio, 1:3.7.



## My Favorite Fowl



AT A GATHERING in the interest of poultry in the neighborhood a short time ago a discussion on the merits of poultry was indulged in under the subject, "Our Favorite Variety." One amateur stated as follows: "At

home we have several different breeds, among them Rose and Single-combed Brown Leghorns, Gold, Silver-spangled, and Black Hamburgs and Plymouth Rocks. Our experience teaches us that the Leghorns are the best layers. We prefer the Rose-combs, as they do not freeze so readily in our very cold climate. For some time our poultry was so badly mixed we could scarcely tell them apart. A year ago we erected separate poultry buildings. Now we keep our fowls separated and

breed them pure and true. As we keep fowls mainly for selling the eggs in the market, we contemplate keeping a large number of the Rose-comb Brown Leghorns and a few Plymouth Rocks."

Another stated that he had tried Leghorns, Plymouth Rocks, Orpingtons, and Wyandottes, and that he was now fully convinced that the Plymouth Rocks were by far the best for his purpose, being a strong, vigorous, sturdy fowl, which laid a large number of fine, large eggs; that they produced the finest of table poultry, and that in their neighborhood neither of the other three gave equal satisfaction. The third spoke strongly in favor of the Orpingtons, claiming for them everything possible to have in poultry. An advocate of the Wyandotte family came next, after several years of experience with different kinds, and said he had learned

that the most profitable fowl for the farmer to keep was the Wyandotte. A portion of the gathering sided with each speaker.

Some were so persistent in the claim of supremacy for their selection as to arouse the spirit of the others, who were equally urgent in the presentation of the value of their favorites. Never before have we met with a better illustration of the value of all breeds than was set forth in this meeting. The earnest and determined presentation of the value of each breed proved conclusively that each and every one have gained their wished-for success by keeping each and all of the four great varieties of fowls, showing beyond all question that each has its merit, that each is best for some purpose, and that most satisfactory results may be gained from each and all of them through careful management.





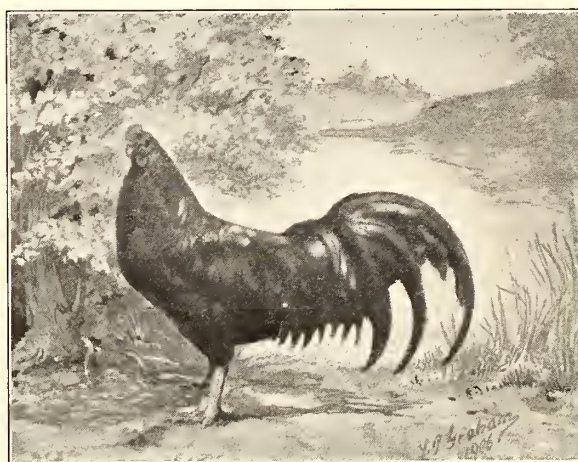
## The Sumatra Game Fowl



IN THE Standard of Perfection, a fowl is described under the name of Black Sumatra. In England, this same fowl is spoken of as the Black Sumatra Game Fowl. Among ordinary fanciers, they have been known always as the Sumatra Game Fowl. Dr. Clark and other authorities on the Game call them Black Sumatra. In an article recently published in the Inland Poultry Journal, from the pen of H. DeCoursey, the following statement was made:

"Earliest records available of the Black Sumatra Fowl show that it takes its name from the Island of Sumatra, one of the Asiatic archipelago, and that fifty years ago it was a wild fowl in Sumatra and the neighboring islands, migrating from one island to another. By the natives they were called pheasants, and were highly prized for their courage and endurance in battle. The Black Sumatra is typically, as well as by nature, a Game fowl, and is sometimes called the Sumatra Game; in fact, it has been known by many different names in various civilized countries, such as the Sumatra Ebon Game, the Java Pheasant Game, the Malacca Game, etc., but these have all been discarded in favor of the simple title, Black Sumatra."

It is stated by Edward Brown, in "Races of Domestic Poultry," that the Black Sumatra was imported into America in 1847, where it met with a moderate amount of favor, more especially among devotees of the sport of cock fighting. It was known and bred sufficiently to be included in the "Standard of Perfection," published by the American Poultry Association. But it was not until 1902 that the breed was taken particular notice of in England. It has, however, come well to the front within the past few years, and a club has been formed to look after its interests in the British Islands. The specimen shown in the accompanying illustration is the property of one of our foremost fanciers of Black Sumatras in England, and is a very beautiful bird, though he has yet to win his spurs in the show room. Both his appearance and breeding augur well for his success, as he is bred from a Crystal Palace cup and first prize winner, and is one of the best birds that



ONE OF MR. WOOD'S MALE BIRDS

have yet been bred in this country. The following description of this graceful fowl is extracted from the "Standard of Perfection," recently issued by the Black Sumatra Club, of England:

"Body long and firm and very muscular; breast broad, full, and rounded with straight keel; back of medium length, broad at shoulders, and very slightly tapering to the tail; wings strong, large, and long, carried close to body; neck rather long, well arched and abundantly covered with long hackle; saddle hackle also full; head small, rather short, and round; beak of medium length in color; eye large and slightly curved, dark olive or black in color; comb of pea-shape, low in front, carried close to head; face smooth, fine in texture; wattles small, red in color, as are the ear lobes; the tail is very long and drooping, with a large number of sickles and coverts, which should rise slightly above the stern and then fall streaming behind the cock, almost touching the ground; thighs of medium length, thick, strong, and muscular; shanks also medium in length, strong in bone, and straight, set well apart and dark olive or black in color; feet broad and flat with four toes; plumage of a very rich, glossy beetle green, or green black with bright sheen. In general carriage and shape, they are long, straight, and upright, giving a forward and stately appearance. The weight is: Males, five to six pounds; females, four to five pounds."

The most successful breeder and, perhaps one of the best-informed as to the quality of the Sumatra fowl, is Mr. Nelson R. Wood, of the Smithsonian Institution, in Washington. We submit, for the benefit of our readers, Mr. Wood's version of the history of the Black Sumatra in America, as follows:

"When a small boy of nine years, an old delapidated poultry book was my delight and pastime. From its illustrations and contents, the Sumatra must have been a very popular fowl. This book was printed years before I was born. About twenty years ago I visited the poultry show in the old building in which they used to hold forth before its admittance to Madison Square Garden, New York City, and then and there saw, for the first time, the Sumatra Game in all its beauty. It was love at first sight. I immediately sought Mr. J. Y. Bycknell. He was loud in his praises, and said he had imported the ancestors of the birds before us about forty-five years before. I found they were the property of J. H. Northrup Cherry Creek, N. Y. I purchased a pair, and have bred them ever since. Now I fully agree with the Standard requirements you so kindly sent to me. Of course, one or two little points I would like to modify. It says, 'a well-arched neck.' I think the neck should be nearly straight, with a nice, little curve a little below the head. The neck should be quite slim, but not to frailty. Some criticise the willow leg. I believe in the olive green leg. I believe this is where we get the yellow flesh. Even in a strictly fancy fowl there must be the utility side. The hen should not be too compact in stern, but more on the egg type. There is quite a call for black or gypsy-faced birds. I admire the bright, red-faced fowl, and believe they get better color. I have observed many Sumatras at shows with black nubbing combs and well-developed gills, and these birds had poor color. Of course, this is a fancy of my own regarding the red comb. I have both in females. The eyes should be as dark and large as possible. Head short and quite round. No wattles, if possible, and if there, not over an eighth of an inch in length, but a well-developed dewlap on males. This, you will not get in a cockerel. The cock's tail should not be as convex as most fowls are, but more flat, with sickle and coverts in abundance rolling out over main tail feathers. The chicks,





ONE OF MR. EATON'S SUMATRA COCKERELS

when first hatched, would startle an amateur—clear black, white and black, some nearly white. Those with more white than black—say, only a black stripe down back—will always be a mottled bird, and most beautiful at that. Those with white underneath and extending up to first middle of wing down to point as it is closed, will be the right color. Those which are clear black probably will not have the right green sheen, but are to be retained. The very high-colored birds, when bred together, after a time will show red in shoulders of males. Then use the plain black to tone down color. Yellow legs will appear in chick, but age will right that. The Sumatra is not at the best until the second year. I should like to see them a little larger, especially the hens, but I have seen and also bred a few large ones, but they lose the Sumatra shape; look more like a Wyandotte.

"They are easily handled, and love to be petted. When taken from a farm range, two days are enough to prepare for show room. They will not flop and squall, if treated kindly for said time. They are good mothers, if allowed plenty of space. Great care must be exercised in feeding. Heavy feeding will give no fertile eggs, for they take on fat rapidly. Make them work. Abundance of green food must be given them. They are not given much to vices, as feather pulling or eating eggs; they are, however, very troublesome when a strange hen is introduced among them—very clanish, liking their own kind. The hens are apt to assume the cock's plumage when age causes them to cease laying. There is now, in my friend's yard, in Southwest Washington, one of these—a most gorgeous hen. The Sumatra's eggs are below average, but could be remedied by selection. They are not supposed to have any staying qualities in a fight where the gaff is used, but I was very much surprised this week when a young man told me that he purchased a pair of gaffs and matched the bird I gave him against an Irish gray, also gaffed, and the Sumatra killed the pit, and died two weeks after of wounds received."

The Black Sumatras have been recently taken up by the fanciers of England. The writer has had considerable communication with the fanciers abroad, and will call attention to several

features of vital importance in the make-up of this fowl. First of all, the comb should be a perfect pea comb, very small and low in front; wattles and ear-lobes very small and close-fitting. If there is almost no signs of wattles in the male, and total absence in the female, the specimen is greatly improved. In the color of shanks, dark olive or leaden black should be adhered to. When the very black legs are cultivated, the color of the skin seems to change from yellow to chalky white; that is not admired in this country, but is preferred in England. We can readily understand why the English fancier should encourage the black shank and feet, their preference being for the white-skinned poultry. With us as a nation, the choice should be given to the yellow skin.

Whenever the consideration of the attractive fowl for exhibition is considered, nothing is so handsome in the Black Sumatra as the low-set, close-fitting pea comb, very small gullet, and almost total absence of wattle, long, flowing tail, rich black plumage, and glossy black shanks.

The Sumatra can never become an attractive or profitable market fowl. It may be made one



ENGLISH TYPE SUMATRA PULLET

of, if not the most beautiful, of all Game fowls with the olive shank can not be so readily accomplished as may be the same with the black for exhibition. To produce the richest of black shanks. If size were cultivated through the selection of larger-sized hens, and pairing them for better results, more desirable qualities would be added to the market side of the Sumatra than can possibly come through the cultivation of the semi-yellow shanks. The American fancier has made the Sumatra fowl what it is, and we imagine that as soon as the English fancier becomes thoroughly acquainted with the beauty and grandeur of the plumage and head, with the low comb and the small wattle, their determination and push as fanciers will add more beauty to these features, and instead of permitting the dubbing of the Sumatra for the exhibition coop on the other side, they will make great advancement in the trimming up and beautifying of the entire specimens through the having of the beautiful small comb, and the almost total absence of the wattle.

In a letter received a short time ago from Mr. Fred R. Eaton, of England, he sent an invitation to Mr. Wood to forward to England

under his care some of his best specimens for exhibition. This Mr. Wood failed to do, from the simple fact that his stock was so limited that he could not spare any at this time. It is hoped, however, that the English fancier will join with the American fancier for the improvement and the advancement of this most attractive fowl. Why can not the American and English fanciers get close together with this beautiful breed in its infancy, so far as preferment in the exhibition hall is concerned, and make the description of same international and not local?

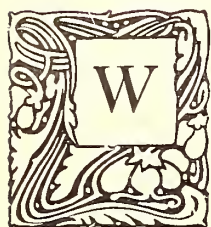
A peculiarity among the Sumatra is the presence of a bunch of five small spurs upon the shanks of some strains. These are not usually the most attractive specimens. The single spur is more pleasing. Other peculiarities which should be utterly obliterated is the walnut or knob comb, as upon the Malay and the silky fowl. Nothing but the true Sumatra pea comb should be tolerated. This is described in our Standard as "pea, small, low in front." In the Indian Game the comb is described the same as the Sumatra comb. The Malay comb is rather small, resembling a strawberry or knob in front. This strawberry or knob comb is to be despised in the Sumatra. Another beautiful attachment to the Sumatra is the long, flowing tail, very dense and full, or which might best be described as very deep from top to bottom, and not overly wide when viewed from behind.

The strength of the blood in the veins of the Sumatra is most remarkable. A male bird turned with a flock of fowls, some of which were black, produced a pair from one of these common hens that won as young specimens at one of our state fairs. With these there should be more consideration given to the real quality, and less consideration to inferior specimens that lack the real qualifications demanded in the Standard. More attention should be given to the color of shanks. No matter what our own preferences may be, the Standard states that shanks shall be dark olive or leaden black. Shanks colored other than this should count absolutely against the specimens. It is never wise to depart too far from Standard demands either in this breed or any other.


N. B. WARNER'S SUMATRA MALE, SHOWING ABSENCE OF  
WATTLE

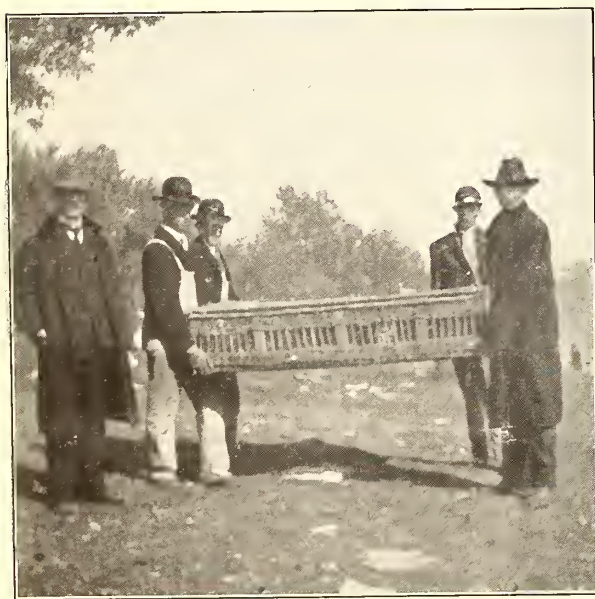


# The Flight of the Homer



WHEN but a lad we received from the hands of an enthusiastic pigeon fancier, a German of considerable reputation in his time, a print from a photograph made of the pigeon flight at Antwerp.

This illustration pictured hundreds of baskets, about four by six or seven in size, resting against the curbstone of the market place in Antwerp. This market place showed an immense circle surrounding a small building in the center, and gathered about in all directions were large crowds of people awaiting the lifting of the lids of the baskets which contained the specimens that were to take part in the pigeon flight. The second or companion piece showed the flight of the pigeons in almost countless numbers. One might imagine, if not informed, that it repre-



READY TO START

sented the flight of the long gone wild pigeons which used to pass over in such countless numbers as to shade the sun and change daylight into partial darkness. The description that accompanied this illustration stated that over twenty thousand specimens were liberated at that time and place for the national flight of the country, and permitted to fly in all directions to their homes.

Of recent years the training of Homing pigeons for races, message carrying for governments and other like purposes has brought closer to the people the purpose for which they are grown and trained. Even with these, there are but few who understand the methods of their flight. Many years ago a basket of pigeons was sent from Philadelphia five hundred miles away to a western town. At daybreak, between four and five o'clock in the morning, these pigeons were carried out into the sunlight, fed and watered, moved to the housetop for liberation. One of the most noted physicians of this and other lands, a lawyer, five women, and four fan-

ciers, gathered on the roof of the building to witness the flight.

Just as the church clock sounded the hour of six the lid was lifted and the Homers circled high in the air and darted away to the rising sun. A telegram received from Philadelphia between five and six o'clock the same day announced the arrival of one hen pigeon. Three others were in the loft when visited early the following morning. Only four of the entire lot succeeded in crossing the Alleghany Mountains, reaching their destination in the Quaker City.

What guides them to their homes is a question often propounded. Instinct, sight, practise in training, and the love of home are all advanced as reasons for their returning so swiftly to their own abode when liberated any distance from home. For several years the flight from Hagerstown to Washington, Baltimore and Philadelphia during the Fair week has attracted more than passing attention. When first witnessed by the writer, eight basketfuls were sent away. From year to year this number has decreased until the present time, when but one basket was liberated.

When the cover was lifted, the specimens flew therefrom with lightning speed, first rising high in the air, circling about from right to left until sufficiently high to suit their purpose, when they darted away in the direction from whence they came. Within a few hours the greater portion of all these had reached their home. If eyesight is their guide, they must have more strength of vision than is credited to the spyglass. If instinct tells them how to return to their home, how can they make use of a mental compass in the selection of the direction during different hours of daylight? No one of them ever succeeded in the attempt at flight other than those that have been trained to return to their homes from many directions. First they are sent away a few miles, and this distance greatly increased until they have been trained over a course of many, many miles—often one, two and three hundred—and these males are winged off numerous times before they are entered for a race.

No other pigeon seems to have the same distinctive inclination of flight to their homes that the Homing pigeon has. Any variety of pigeons that have been liberated to fly about will return to their home from short distances away. Seldom, if ever, do they return if carried many miles from their original home. Distance does not seem to matter with the Homer—a mile, five, six, seven, or a hundred, does not seem to make much difference with them. Whenever carried so far away as to make it impossible for them to return home in a single day, they often fail in the attempt. Some have been known to return the second, third, and often the fourth day after liberation. Whether these have fallen by the wayside, been trapped and held for an indefinite time can not be stated. Many of them, however, fail to return home when the distance of flight or some other cause strands the mover night.

The illustrations given here show the basket used for shipping the flight. This basket was

carried and placed on the ground, as shown in the other picture, where the lid was thrown open and the pigeons permitted to fly away. Those interested in the flying of the Homers should join some one of the clubs of the Federation and enter into the sport legally with the other club members, and in this way become familiar with the plans and methods used, and be among the best of sportsmen who make the flights never for money or wages, but always for sport.

We have numerous applications from fair associations, requesting information that would enable them to induce the fanciers or growers of the Homing pigeon to send their flocks for flight from the fair grounds as an attraction. To all these we would state: Make your application to the secretary of the Federation at least sixty days prior to the opening of your fair. If this is properly looked after, in almost every instance the pigeon fanciers of some localities will



THE FLIGHT

provide specimens to be sent away, which always proves to be most attractive to crowds.

In reply to the many requests for information as to the origin of the Homer pigeon, will state that the best authorities differ somewhat as to the facts. A compromise between all these might be the best solution of the question. Undoubtedly, the Homer was cultivated in and about Antwerp, Belgium. Later, the center of attraction for the breeders of this variety was removed to Brussels. The fanciers of Belgium and France gave the greatest attention in the early day to their cultivation. Undoubtedly, they came from the union of several kinds of pigeons. In the early day they were known as flying pigeons, then Antwerps, and finally Homers. They were largely used during the Franco-German war about Metz, and during the siege of Paris. Later, they were made use of by all countries during naval and land engagements, for carrying messages beyond the lines.



## Science of Breeding

By T. F. McGREW

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### Line Breeding

**U**NDER the above heading, in the original articles written, we began by representing the principles of line breeding as compared with what is commonly called inbreeding. The main difference between the two lies in the fact that the one improves, builds up, and strengthens the product, while the other leads to deterioration. Line breeding refers to creating a family that will have such powerful influence over its offspring as to determine in advance that they shall each and all of them have the most perfect family resemblances.

Inbreeding can not be carried to an unlimited extent without utterly destroying every desirable influence that was present in the beginning. No matter how powerful the constitutional ability of the original may be at the beginning, it can be materially undermined where inbreeding is applied to an unnatural extent. Many flocks have been utterly destroyed through an injudicious adherence to inbreeding.

To illustrate, when line breeding with the purpose in view of establishing a valuable strain, it is necessary to have the right foundation. The requirements of the specimens for this beginning can be most readily defined through the statement that they must be of the most perfect make-up. This refers to specimens having perfect breed characteristics, the most perfect color and marking that it is possible to obtain, and all of them to be large-sized, vigorous, and of unquestionable constitution. When specimens of this character are selected for the beginning, the line breeding may be followed to an almost unlimited extent, if the following rules are upheld from first to last.

The first and most important essential is size and vigor coupled with the other necessary characteristics of the breed. It must be remembered that size, strength and vigor come largely from the female. Have this in mind at all times in mating the specimens at the start and their descendants for all time to come. The secret of success lies largely in the vigor and reproducing ability of the females. One to three females can best be used for the start. Mated with these must be a male as nearly perfect as it is possible to have him.

The eggs from this mating must be kept separate. They must be hatched so that the specimens from them can be carefully toe-marked, thus avoiding all possibility of their becoming mixed or of not being able to distinguish them at maturity. The female of this mating which produces the best males should be held as the portion of the line that is likely to produce the best male birds of the future. Those which produce the best

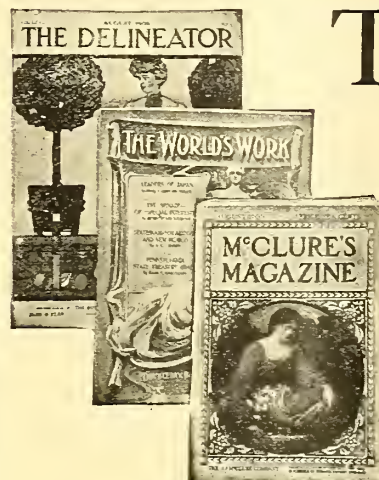
pullets should be relied upon for producing the future element of the female line. Keep as distinct as possible the three families of the three original hens. Select from all these a few of the very best. One superb pair will prove to be of greater value than a dozen pairs a little lower in the grade of quality. In selecting the second year's mating, if the cockerels from the previous year are superior to their sire, mate one of these to the hens that produced him, mating the male bird to one or two of the very best pullets from the same hen that produced the best cockerels. Mate one of the very best cockerels to the two hens that produced the best females. In this way you will produce from the mother of the best cockerel to her son; from the original male birds to one or more pullets; from the best male-producing hens and one of the best cockerels to the females which produced the best pullets, reserving from among all of your pullets one or two from each of the original hens for another year.

The result of the second year should prove conclusively whether the original male with one of his own daughters would produce better than would the original females with one of her sons. Whichever one of these crosses produces the best males should be selected for breeding the future males. Every condition connected therewith should be weighed in the decision as to the line to be used for producing males. Perchance the cross of the cockerel with the original hens may produce better pullets than the original cross did; if so, you can be well satisfied that the beginning of a valuable strain has been established from the fact that the second year's product is better than the first. If, however, on the other hand, they are inferior to the first year's mating, one of two conclusions may be derived: either that there is bad influence somewhere hidden behind the first cross, or else the proper males were not selected. Usually when a careful beginning is made, improvement comes with each succeeding year's work.

Presuming that good results have come from these two years' experiments, select the best males and the best females for continuing the work; keep your line so well separated that you will never be called upon to mate brother and sister, father and daughter. Mother to son may be indulged in, but it is better that you should cross-mate to the extent of using the male birds from number one hen with the females from two or three, or the males from either one to the females of the other two. Never mate full brother and sister, and never mate father to daughter, or son to mother hen, if it can be avoided, which can be readily done through the care in marking and selecting so as to mate as above described.

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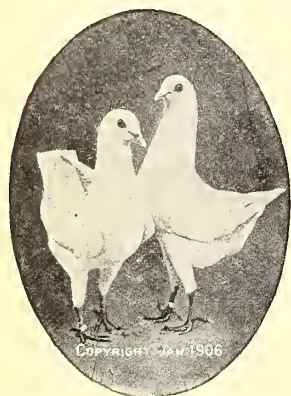
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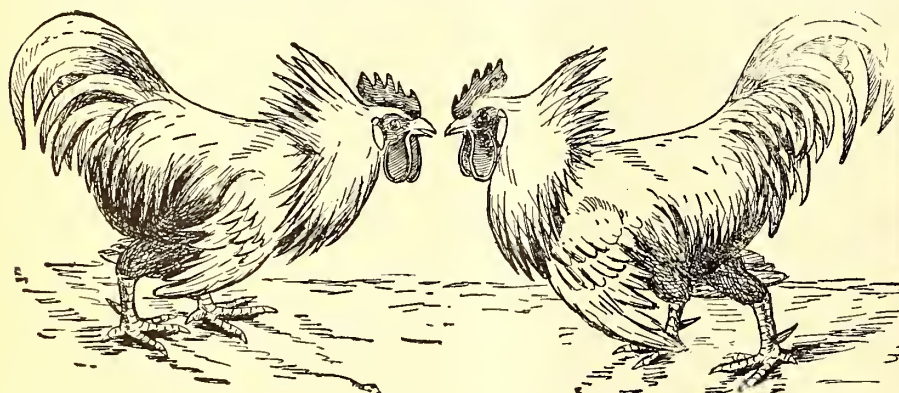
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## Science of Breeding

(Continued from page 21)

If this same rule is carried out, line breeding may go on without the introduction of new blood for many, many years. To strengthen this, never hatch from pullets. Keep the pullets of 1906 for the matings of 1905. Keep the pullets from 1907 for the matings of 1908. This will always give you hens in their second year to be mated to the cockerels or the cockbirds one or two years old. In addition to this, never consider for a moment the use of an undersized, undeveloped weakly female. Only use the most superior of the male birds. By applying these rules and carefully watching the result of every mating, one may build

sirable birds of the flock always lag behind in the flight, and are lost and destroyed. We must apply the rule of the survival of the fittest by the selection of the most desirable, discarding all others, and pairing together those best fitted as producers, always keeping the line within the rules described above, or mating the product of one hen with the product of another, and always permitting the hens used as producers to become fully matured and in their second year before the eggs are made use of for hatching. In addition to this, one must remember a most valuable fact—that is, selecting the following in line of the producer. What



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up a strain that will produce each year better than itself, that will grow in size, strength and vigor, and improve in every desirable quality of the breed.

In comparison to this consider inbreeding as usually carried on. One may select a pair or a trio of fowls, and continue to breed from these and their descendants year after year without care or selection. This kind of inbreeding will destroy the characteristics and the vitality of any lot of fowls within a very short period of time. Line breeding is like the prosperity of the migratory birds, the constitutional vigor of which is upheld through the survival of the fittest. The weakly, the sickly, and the unde-

is meant by the producer is the hen or male bird which produces the highest quality to the greatest extent. Some hens are very much more pronounced in this than are others. Some male birds will outstrip thousands of their kind in the production of quality. It often happens that one pair in a flock will produce ninety per cent. of quality alongside of the balance which will not produce ten per cent. of equal value. Guide your lines with reference to this, always having in mind that very few of the highest quality comes from the best. Few that come

Bent's Milk Albumen makes lustrous plumage.

12





## Science of Breeding

(Continued from page 22)

from inferior specimens contain in their make-up any of the producing qualities that are valuable. Never waste your time in an attempt to produce anything of present or future value from inferior specimens, or from one that produces so few as to make the value below the profit line.

To build up a strain for large egg production, one must follow the opposite rule. In building up a strain of heavy egg producers, one must use only hens that have proven to be extraordinarily prolific in egg production. Male birds from such only should be used. One or two of the most prolific egg producers should be kept apart for the production of the cockerels each year that are to be used in the balance of the flock. One cockerel selected from the best egg producing hen should be reserved for mating with this. In this way a sufficient number of cockerels can be produced each year for mating with the most prolific egg-producing hens from which may be grown the flocks for another year. This

gives us males and females non-related, which adds strength, vigor and influence to the prolific egg production. The first method improves type, coloring and other exhibition characteristics. The latter method improves the egg-producing quality of the flocks which must be sustained through the infusion of a strain of new blood, which sustains and quickens the egg-producing powers.

To illustrate, line breeding governs to the greatest extent breed characteristics and color. On the other hand, selecting the best egg producers and keeping the breeding lines as distinct as possible within these flocks adds to the strength, vigor, and egg-producing qualities without governing the type of the fowl.

Inbreeding promiscuously, without forethought or guidance, will destroy the egg-producing powers even more quickly than it destroys the exhibition qualities. No one can hope to succeed in either of these lines who does not keep careful records and know the producers of quality on one side, and the egg producers on the other.

## Green Food for Winter

In writing of the possibility of green food supply for winter, one gives it as his experience that the clippings from the lawn may be packed away each time the grass is cut, into a cistern-like vault beneath the ground, and kept green and wholesome for a winter food supply for the fowls. Rape, clover and all kinds of grasses may be kept in this way, says the writer.

There is a much easier plan than this, which may be applied to the same products. If all the lawn clippings are permitted to dry, and are gathered and packed into sacks, and hung up to the roof of the barn for winter, it will make an excellent green food supply. Clover hay, alfalfa hay, short-cut grass of any kind, cut when young and tender, dried in the sun, and stacked away, will serve the same purpose. It is only necessary to put some of this in a bucket and pour some warm water over same to have it almost as green and fresh as summer growth and much more wholesome than when made in an ensilage, as advised in the packing away underground.

It is scarcely necessary, however, to go to all this trouble. Short-cut alfalfa hay, very short-cut clover hay, means passing through the cutter clover or alfalfa hay and cutting into half-inch lengths. If this is scalded with water and allowed to cool, it will be almost as fresh and green as the summer product, and is as much relished by the poultry. It may be fed in this way without scalding, and prove quite as beneficial to the hens as will any kind of green food in summer. Those who have a small garden spot or a field of corn might well sow some crimson clover seed, beet and turnip seed

in the corn rows, following the last plowing over same. The turnips and beets will grow, the crimson clover will grow, and the largest and best grown turnips and beets can be pulled, washed and sold to a fall market very profitably. Those left and the smaller ones, make the finest of winter food for cows, hens, hogs and livestock of all kinds, the crimson clover being an excellent green food for the laying hens. Even when covered with snow, the snow may be removed, the clover taken and cut very small and scalded, making an elegant winter green food supply. Nothing is better for a winter vegetable or green food supply than these products. Where it is possible to grow them, some mangle wurzel should be grown. These are the enormously large sweet beets, something like the sugar beet, which can be profitably used for feeding guinea pigs, rabbits, cows, horses and poultry. They will keep fairly well throughout the winter, if sheltered from the frost, all of which can be readily grown to a greater or less degree in any land where garden stuff will grow.

In addition to these, we described some time ago the value of Swiss Chard, one of the admittedly best green foods for poultry that can be grown in a small yard, or upon limited ground space. This, as stated in the article, can be taken up or transplanted into boxes, and moved into a root cellar or any place away from the frost, and it will produce throughout the winter more or less green food supply for the flock.

New York and Maryland Stations say Milk Albumen is most palatable, healthful animal food.

## WE'RE PROUD OF THE PURINA BRAND

Purina Chick Feed is the ideal feed for saving the little chicks. Being Millers, and owning large mills, we are in position to make the best chick feed on the market. Purina Scratch Feed contains the greatest variety of grains and selected seeds. Purina Alfalfa Meal gives a green feed the year round. Purina Mash makes hens lay, and Purina Fattening Feed puts on the finishing touches.

Don't fool yourself by trying to fool your chickens with some inferior feed because they won't thrive on it or lay eggs, and they'll fool you on results.

Take no substitute. If your dealer doesn't handle our feeds, send us his name. We will send samples and a copy of the "Standard Poultry Feeder."

NO GRIT, NO BURNT WHEAT OR TRASH IN PURINA POULTRY FEEDS

PURINA MILLS, ST. LOUIS, MO.

Acme Mills Co., Portland, Ore.

The Tillson Co., Tillsonburg, Ont.



Everybody Exhibits at the

## Philadelphia Show

February 5-9, 1907

Entry Fees: Poultry, \$1 Pigeons, 50c

JUDGES—POULTRY: W. Theo. Wittman, W. B. Atherton, J. D. Nevins, L. P. Graham, F. A. Keller, Chas. T. Cornman, Fred Huxler, A. P. Ingram, Jr., R. F. Scraman. PIGEONS: Thos. Scholes, John Spraller, Geo. F. Erbe, Geo. Spohn. For Premium List Address

Jesse G. Darlington, Secy. 414 Mint Arcade, Phila.

12-4

## Now for the Great Washington Show

THE ANNUAL EXHIBITION of the

Columbia Poultry and Pigeon Association (Inc.)

Will be held in MASONIC TEMPLE, WASHINGTON, D. C.

JANUARY 22-26, 1907

SEND FOR PREMIUM LIST

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12-4

## Why Don't You Build Your Own Incubators and Brooders

Thousands Are Doing It. Send For Our FREE PLANS

and See How Easy and Simple they are. We Furnish Parts not Possible for You to Make



The first thing that occurs to many who read our advertisements, is that it is impossible for them to build their own machines.

If you think so, you're mistaken.

You can build your own machines with our plans and fixtures, and do it easily.

Over eighteen thousand people were interested in building their own incubators and brooders from our plans last year.

No special experience or tools required.

We've worked and studied on these plans and fixtures until we have made them so simple and easy to understand that anyone, even a girl or boy can follow them.

Remember, we furnish all the parts not possible for you to make, such as Lamp, Tank, Regulator, Doors, Legs, Hardware, etc., at a special low cost. That's why it's so easy.

Now just to convince yourself that you can make a better incubator than you can buy, one that will have exclusive features especially advantageous to the inexperienced operator, send for these Free Plans and if they fail to satisfy you, we'll say no more. All it costs is a mere request; they're free

post-paid. If you already have an incubator or brooder, our catalog will be valuable to you. It tells how you can cut your operating expenses in half and save a lot of time, labor and annoyance, by using our Improved Acme Automatic Lamp and Acme Compound Wafer Regulator on your old machine.

Here's some of the reasons in brief: Lamp holds over gallon; can't be upset; no danger of fire. Combined Damper and Flame Regulation shuts off oil consumption when heat is not needed.

Automatic Valve keeps oil always same depth on wick, insuring uniform flame—steady heat. Mineral Fibre Wicks don't burn nor char—saves trimming.

Burners are air-cooled; can't overheat, explode nor cause fire.

Acme Compound Wafer Regulators are positive in action, accurate to fraction of degree.

Both Lamp and Regulator made to fit any machine—anyone can attach them. More reasons in catalog. Send for it and learn how to save one-half the time, labor, expense and get better hatches with your old machines.

### HOW'S THIS

H. M. SHEER Co., Quincy, Ill. July 6, 1906. Gentlemen:—I send in same mail, a photo of a hatch made last week with one of your 100-egg machines, built on your plans and using your fixtures. I had no experience in the building of incubators except that gained in your instructions.

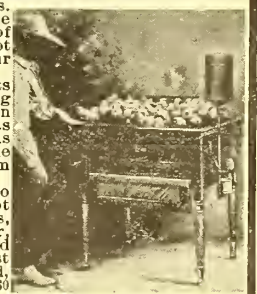
When the parts came, everything fitted fine. I run the hatch just as your instructions said, and from the results I got, I am well satisfied.

I put 100 eggs into the machine, not the picked eggs, sorted for color, but just eggs; and tested out 25 at first test, 10 at second, and hatched just 60 chicks you see in picture. C. W. CHRISTMAN, Waterville, Minn.

In writing for Catalog and Free Plans, address

H. M. SHEER Co., Quincy, Ill.

120 Hampshire St., Quincy, Ill. The Largest Manufacturers of Incubators and Brooder Supplies in the World.





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One time.....\$ .50  
Three times.....1.00  
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One year.....3.50

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Copy may be changed as often as desired, though we advise running a standard ad when possible, in order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 1-3 cent each for each insertion when run three times or more. Figures count as single words.

### PLYMOUTH ROCKS

Barred Rocks, America's Best "Utility and Beauty" strain. Prize winners and world's greatest layers. A grand lot of Cockerels, the best we ever raised. \$3 and \$4 each. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-4

I Am the White Plymouth Rock Man. My White Plymouth Rocks are U. K. Fishel's strain direct. They are very fine in all sections. They are just what you want. No matter where you live or what you do you want some of my White Plymouth Rocks. Descriptive circular free. Correspondence cheerfully answered. Write to-day. COULSPRING POULTRY YARDS, Plummer McCullough, Prop., Mercer, Pa. 12-4

Choice Cockerels at Low Prices From Our Winning strain of Blue Barred Plymouth Rocks. Also, a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-4

Dunderberg White Rocks, Fishel Strain, Pure white, heavy layers. Eggs \$1.50 per 15, \$8 per hundred. March and April batched pullets and cockerels. DUNDERBERG POULTRY YARDS, Tomkins Cove, New York. 12-4

D. Curvin Kaltreider, Redlion, Pa., Has For sale his entire flock, 500 buff, Barred and White Rocks and Buff Orpingtons, consisting of his 1st prize and cup winners at the largest shows of America at \$2. Ten or more at \$1.50 apiece. Must be first class, or will return money. 12-4

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Buff Plymouth Rocks. Nuggets. For Sale at reasonable prices. Fine cockerels hatched from my Fort Wayne prize winners. Satisfaction guaranteed. ED. RISSEB, Middlebury, Ind. 12-4

Barred Plymouth Rocks. 100 Grand Cockerels for sale. These cockerels were bred from my 1st and 3d prize winning blacks at Scranton, Pa., 1906. J. H. HAZLEDINE, Bloomsburg, Pa. 12-4

For Sale.—Buff Plymouth Rock Cockerels. Kulp's strain. Raised on free range. Low price. THEO. MCGOWAN, Brookland Park, Richmond, Va. 12-4

Barred Rocks Exclusively Since 1890. Ringlet and Bradley Bros. strains. Stock and eggs for sale at reasonable prices. Satisfaction guaranteed. F. S. WEIMHOLD, Denver, Pa. 12-5

Buff Rocks (Nugget Strain), Large, Handsome, vigorous breeding cockerels and fine breeding pullets at half price. Will surely please you. ARTHUR TAYLOR, Washington, N. J. 12-5

Barred Rock Hens; One and Two Year Old; through the molt. \$1 each; \$10 a dozen. Must be sold before winter. M. A. HUTTON, Clopper, Md. 12-5

150 Barred Rock Cockerels, Thompson's Ringlets, Ridgley's and N. J. R. laying strain. Bred right, fed right, and reared right. Send for circular of Barred Rocks and N. J. R. breeder. NATIONAL JUNIOR REPUBLIC, Box 16, Annapolis Junction, Md. 12-5

Buff Rocks Exclusively. World's Fair Winners. More prizes at state fairs 1904-05-06 than thirty competitors combined. Breeders or show birds from my second Madison Square cockerel; thirty-five competing. EDGEWOOD FARM, Ballston Lake, N. Y. 12-8

Barred Plymouth Rocks Exclusively. Stock For sale. \$2 each; \$5 a trio; \$18 a dozen. J. F. SMITH, Remington, Va. 12-5 3t

Buff Plymouth Rocks. The Original Gold-coin birds. We have a grand lot of cockerels of good buff color to dispose of at \$1.50 each; also a few high-class pullets at \$2 each. These birds are no experiment. Order now and get the pick. Satisfaction guaranteed. JAMES KUGLER, Jr., Route 1, Frenchtown, N. J. 12-5

Barred Plymouth Rocks, Thompson Strain. Cockerels \$2 to \$5; trios \$5 to \$10. Farm raised; eight years a breeder. WM. I. PALMER, West Pawlet, Vt. 12-5

Barred Plymouth Rocks Exclusively. Thompson and Hawkins strains. Breeding and exhibition birds for sale. Satisfaction guaranteed. Write your wants. A. W. BELLER, Killebuck, Ohio. 12-5

Buff Rock Specialist. Twenty Choice Yearling breeding hens and thirty full-grown pullets, \$1 each; cockerels, \$2 each; exhibition cockerels and pullets, \$5 each—bred from my Boston and Madison Square winners. Satisfaction guaranteed. OREN HANES, South Colton, N. Y. 12-4

Barred Plymouth Rocks; Pullets and Cockerels; Bradley Bros. strain; \$1 each. A. G. WEAVER, Front Royal, Va. 12-4

White Plymouth Rocks, Fishel Strain, a Few fine cockerels, \$1.50; eggs, \$2 per 15. Satisfaction guaranteed. KENYON BROS., Box 13, Elkland, Pa. 12-6

Danford Pure Blood White Rocks, the Kind That lays in winter as well as in summer. Choice cockerels and pullets, \$10 per trio; eggs, \$3 per 15. I. W. DANFORD, 2001 N. Fourth St., Columbus, Ohio. 12-6

"King Quality" Strain Buff Rocks. Bred for business and beauty. Fine stock for sale. Egg orders booked now. Prices reasonable. E. T. DAILEY, Albany, Ohio. 12-6

Barred Plymouth Rock Hens Hatched and Raised from America's prize winners. Early to late birds at \$1 to \$2. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-6

For Sale.—Thoroughbred Barred Rock Cockerels, fine in color, shape and barring, of breeding age, \$1.50 to \$4 each. A. W. NEWCOMER, Glen Rock, Pa. 12-6

Only Buff Rocks Since 1895.—State Cup Winners 1904; Boston, 1905, 2d pullet; '06 1st pen. Stock for sale. P. W. NOYES, Quaker Hill, Conn. 12-6

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Fithian, Ill. 13-3

Barred Rocks, S. C. White Leghorns, Bred for utility and beauty, great winter layers; few fine cockerels and pullets for sale; eggs in season. R. J. CADLLE, Reisterstown, Md. 12-6

Spring Lake Poultry Farm of Oakland, Ill., has largest and best flock pure Bradley Bros. strain of Barred Rocks in the Mississippi Valley. Stock for sale. Eggs, cockerel or pullet, mated, \$2 for 15. Catalogue on request. JOE H. WINKLER. 12-6

Special Thirty-day Offer.—Pure Bred Barred Plymouth Rock cockerels, "Ringlet" strain, nicely barred, \$2 each. Satisfaction guaranteed. A. J. CHEEK, Henderson, N. C. 12-7

("Ringlets") Barred Plymouth Rocks, Thompson's strain direct. Selected and bred for superior egg production from a strain of heavy winter layers, Standard bred in weight, shape and color. Eggs, one setting, \$2; three settings, \$5. THOMAS LOBB, Route 1, Peekskill, N. Y. 12-6

First-class Barred Rocks, Trios and Pens. Eggs, \$1 sitting; \$4 hundred. MISS H. W. ROBERTSON, Bel Alton, Md. 12-6

Barred Plymouth Rocks, Bred for Beauty and utility. Stock and eggs; choice matings. Send for circular. WM. P. CLARKSON, 308 LeMayne St., Syracuse, N. Y. 12-6

Hillienst Farm's Silver Penciled and Partridge Plymouth Rocks, winners at World's Fair, Madison Square Garden, Trenton, Wilkes-Barre. Stock for sale. Eggs, \$2 per sitting. Mention The Feather for an extra egg. WM. F. FOTTERALL, Oakford, Pa. 12-9

Barred Plymouth Rocks, Champion Lady May stock, winner of first three specials and \$100 challenge cup, Boston, 1906. Cockerels and pullets, \$5 each and upward; eggs, \$3 per 13. JOHN CAMERON, Beech St., New Bedford, Mass. 12-6

Barred Plymouth Rocks. Eggs and Stock in Season. Eggs, \$1 and \$2.50 per 15. WM. R. ROLLSTON, R. 9, Box 24, Springfield, Mo. 12-6

Splendid Cockerels, \$2 to \$5 Each; Pullets, \$1.50 to \$2.50 each; nugget strain. G. H. SWEET, Beechlands Jersey Farm, East Aurora, N. Y. 12-6

My Buff Rocks Are Winning Blue Ribbons This winter as usual. Stock for Sale. Eggs, \$2 sitting; \$5 per 100. NELSON BRUSIE, Salisbury Mills, N. Y. 12-6

### LEGHORNS

Mrs. C. W. Harrington, Harford Mills, N. Y.—Buff Leghorns exclusively. Cup winners in 1904 and blue ribbon winners in 1905. Breeding birds and young stock for sale. 12-6

For Sale.—Prize Winning Single Comb Brown Leghorns, 21 years a breeder of this variety, and won hundreds of prizes. E. S. SCHALLER, Clark, Pa. 12-5

## A Great Industry



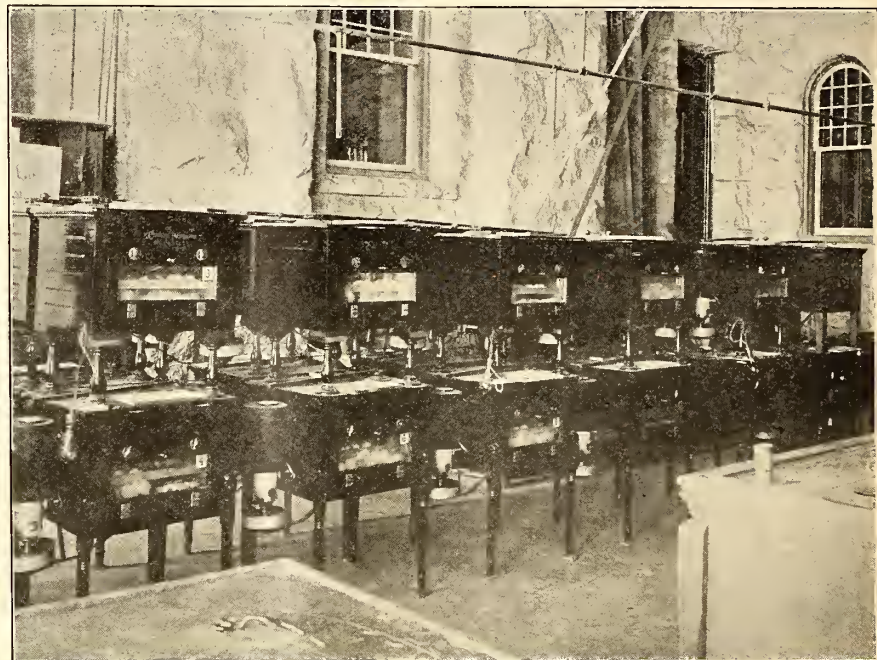
SHORT time ago we had the opportunity of visiting the new plant of the Cyphers Incubator Company, at Buffalo, N. Y. During the time of the meeting of the Revision Committee at the Niagara Hotel in Buffalo, we visited the original factory of this company several times. We were surprised then at its extent. In comparison with what we saw at that time, the present is as a mountain to a mole hill.

The new factory is located directly west from the original place of business, fronting as it does upon the main thoroughfare, giving them the best facilities for small shipments to the several rail-

limit the whole of last season, there were less than two car loads of left-over goods in the warehouses, and a great demand for speedy shipments for the coming season.

Mr. Curtis, Mr. Essex and their corps of assistants, each have their own separate departments in comfortable office rooms to themselves, where each may attend to his own work without conflicting with the others'. Nothing, we imagine, could be more complete than the present equipment for accommodating the office and working force of the plant.

Our readers, however, are more interested in what these people manufacture than they can possibly be in the plant for its production. Everything from the incubator to the smallest possible poultry



A DOUBLE TIER OF CYPHER'S INCUBATORS

road stations. To the right of the factory is a railroad switch where cars may be placed to be loaded direct from the platforms of the warehouse. To the left is the canal, on the border of which are the lumber yards of the company; the lumber coming by water from the lumber districts down through the Great Lakes, to be unloaded without transfer. Large shipments intended for New York or New England go by canal to the wharves in New York, where they are transferred to the warehouses there, or sent forward by the water lines to New England and the Eastern Canadian districts.

The interior of the new factory is most complete. From the cutting of the timber to the finishing touch of the artist, every department works in regular rotation, passing on from the side door, where the rough lumber enters, on, up and through, day after day, until passed from the finishing room into the warehouses. More than a hundred incubators were being finished a day, and double this number of brooders and other appliances. This, the management told us, was not half the intended capacity. Although they had worked to the full

appliance and remedy are manufactured beneath this roof. The improved pattern of incubators have spoken so long and loud in their own favor, as to utterly remove any necessity of further recommendation for them. The new brooder has been pronounced by those who use them, many of whom we have met in the past few months, as being in the lead. Among the many advantages of these is the increased air space overhead, the advantages and the safety of the lamp, and the ease with which the heat is controlled. The proof of all this comes through the knowledge of their use. Having seen the results gained through their use, both through the heating agency of gas and kerosene oil, we are in position to state that they can be most successfully handled with the use of either.

The beautiful new catalogue just issued by the Cyphers Incubator Company, is now ready for delivery. All of our readers will be promptly served with one of these by merely mentioning the fact that the above statement was read in the columns of this paper. The catalogue of the Cyphers Incubator Company is a most valuable adjunct to the management of poultry.



## Poultry Foods



NE, J. Alonzo Jocoy, of Rhode Island, writes an article for the Washington Times, in which he sets forth the value of food stuffs. Mr. Jocoy has the poultry prominence of having produced and introduced the White Rhode Island Reds more than a year ago.

A highly illuminated article appeared in one of the Rhode Island papers, illustrating his form and methods. We give below what he has to say about poultry food:

"Generally speaking, the value of food stuffs is not so well understood by the average poultry raisers and farmers as they should be for the largest profit. I have found that low priced food stuffs as a rule, are the most costly in the end. Food stuffs to have a practical value must be sweet and clean, and be of a variety that will furnish the poultry just the nutriment required to develop whatever particular product that may be desired, without the poultry having to digest a lot of waste material that they have no immediate use for. As the old saying goes, 'it is just what you put into a thing as to what you take out.' This saying is certainly true in the poultry industry, as hens are only capable of developing eggs or meat to that capacity in accordance with the material they have to work with. Nature has not given them the power of converting what they eat into any element different from the element the feed actually contains. To illustrate the matter in a plain way, supposing that 160 hens were fed one bushel of corn, which is a fair day's ration for that number. The bushel of corn alone does not contain lime or protein enough to develop over thirty-two eggs, which would only be seventy-three eggs per hen in a year, but it contains fat-forming material enough for 320 hens for one day, or as much again as 160 hens should have for best results. Now as the whole food stuff must be digested before the egg-producing material is available for the development of the eggs, it is plain to be seen that the energy of the digestive organs when fed on a corn ration entirely is taxed to about double the capacity they should be, which means a loss to the raiser of no less than 50 cents per hen in a year. A ration for the winter months that will be found very satisfactory is as follows: Morning feed, kaffir corn one part, oats nineteen parts, one quart to fifteen hens, fed in a deep litter. Noon feed, wheat bran three parts, clover or alfalfa meal one part, corn meal one part, ground beef scrap two parts, one quart to fifteen hens, fed dry in troughs. Night feed, wheat and yellow corn equal parts, one and one-half quarts to fifteen hens, fed in litter. My reasons for feeding dry feed and feeding it at noon-day are, as the middle of the day is generally the most comfortable part of the day, feed that does not require much exercise to eat should be fed at that time. The feed being dry, they can not be greedy in eating it; they have to eat it slow. This develops a power of digestion that

can not be reached in any other way. By feeding the whole grains morning and night in this way they have to work hard to find it. This particular exercise develops heat and muscle, two important qualities that must be reached before they are in condition to produce eggs. Hens standing around idle in the cold are living at the expense of the owner, when, if they were given the proper conditions and plenty of work to do, they are more productive than any other animal on the farm. A practical ration for young chicks should be similar to that for laying hens, except the beef scraps, which should be fed sparingly until the chicks are six weeks old. The grains should be cracked fine and all mixed together and fed dry. There are several brands of poultry foods on the market to-day that are a correct balanced ration, and if fed according to the directions that come with them, they will be found a very profitable investment."

## Star Incubators

The determined efforts of the managers of the Star Incubator and Brooder Company has certainly led to success. Continually striving for improvement is responsible for this. Their machines have been used in every quarter of the globe in hatching everything from a quail to an ostrich. The adaptability of their machinery to the work of the individual fancier has brought them business from all over the world.

In conversation, a short time ago with Mr. L. H. Bache, of this Company, he informed us that greater preparations than ever had been made for better quality of workmanship, better incubators, better brooders, better chick food and appliances of all kinds made and sold by them.

This is illustrated in their new catalogue just complete and ready for sending out. A postal card, or a letter addressed to the Star Incubator Company, 608 Church Street, Boundbrook, N. J., will bring to your door a copy of same.

## The Industrious Hen

"The Swiss village of Zonfingen, in the Canton of Aargau, was decorated with flags recently in honor of a hen which had laid its thousandth egg."—Daily Express.

Her thousandth egg! To what a height May perseverance mount!  
Did she with this result in sight Maintain a careful count?  
Nay, rather let us think of her As careless of applause,  
And heedless of the civic stir Her industry might cause.  
Could any hen foresee the fame A feat like this would bring?  
I'm confident no fowl could claim To think of such a thing.  
Like that of Scott's "Last Minstrel" one With truthfulness may say,  
This surely must have been An "Unpremeditated Lay!"

—London Punch.

America's Best Single-combed Buff Leghorns. Exhibition and utility stock for sale. Winners at Flacgrstown, Trenton, Harrisburg, Little, Saratoga. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-4

Black Leghorns. Rose- and Single-combed. Breed for size, laying qualities, and exhibition. Booklet of information free. Guaranteed full blood. EDWIN E. SITGREAVES, Phillipsburg, N. J. 12-4

Kulp's Rose-combed Brown Leghorns. Breeding pens, \$7 to \$10. Cockerels, \$1.50 each. Circular free. GEORGE L. JACKSON, Goshen, N. Y. 12-4

Single-combed Buff Leghorns. Cornell-Wyckoff strain. Winners and layers. Stock for sale. Eggs in season. MURRAY SWARTWOUT, Groton, N. Y. 12-4

R. C. Br. Leghorns. (Kulp's Strain, Pure, Female line.) Yearling hens, pullets, and cockerels, \$1 each. WM. A. GAFFEY, South Worcester, N. Y. 12-4

R. C. White Leghorns. No More Stock For Sale. but eggs in season; \$1.50 per 15; \$2.50 per 30; or 100, \$6. R. W. PRICE, Troy, Pa. Successor to Price & Tobin. 12-4

Single-combed White Leghorns. Eggs for Hatching and little chicks from fine standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

Kulp Direct Brown Leghorn Cockerels; Scored 90 to 94½ (Helmlich); \$1 and up; extra fine Rankin direct Pekin ducks; extra large. OSCAR WELLS, Farina, Ill. 12-5

A Bargain in S. C. Buff Leghorns. Entire Stock young and old \$1 to \$2 each. MISS J. R. JONES, R. F. D. 1, Tobaccoville, N. C. 12-5

Prize Winning Rose-Combed White, Single-combed Brown Leghorns; Barred and Buff Rocks. Stock from birds that set to 96. \$1 up. FRANK WENDT, Alden, Minn. 12-5

Single-combed Brown horns \$15 Per Dozen; one fine cockerel free with each dozen pullets. No better anywhere at any price. L. S. CARTER & CO, Hammond, Platt Co., Illinois. 12-5

200 Fine Rose-combed White and Brown Leghorn cockerels for sale; also pullets and hens. Prices right. J. W. COOK, Route 7, Blufoton, Ind. 12-5

Single Comb White Leghorns, Wyckoff Strain. Stock for sale from my Butler winners, scoring from 91½ to 95½. RALPH OLIVER, Punxsutawney, Pa. 12-6

For Sale.—S. C. White Leghorns, Wyckoff Strain. Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-9

Blue Ridge Poultry Yards, S. C. White Leghorns exclusively. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9

For Sale.—S. C. White Leghorn Cockerels, Hatched April 1. \$1.50 each. White Wyandotte cockerels. Stock from Blitmore Estate. G. W. CRANE, Rahway, N. J. 12-6

Single Comb Brown Leghorn Eggs for Hatchings from stock bred according to Standard requirements and good layers, \$2 for 15. STEWARD L. HOUCK, 5th St. West, Easton, Pa. 12-6

White and Brown Leghorn Cockerels and Pullets for sale. Fancy stock, \$1 to \$2 each; also imported Homer pigeons, mated, \$1 pair. Bank reference. JOHN B. WADDILL, Tate Spring, Tenn. 12-6

S. C. Brown Leghorns, Some Good Hens, and two cocks for sale cheap. Need room. Satisfaction guaranteed. Order soon. GEO. W. OSTERHOUT, Bedford City, Va. 12-6

Rose Comb White Leghorn Cockerels, \$1 each. Fine thoroughbred stock. Eggs in season, \$1 per 15. ELLA L. WALTMAN, Route 44, New Albany, Pa. 12-6

S. C. White Leghorns.—Winners at Rochester, Syracuse, Frankfurt, Schenectady and Albany. Birds of quality in cocks, hens, cockerels and pullets. G. S. MOORE, Trenton Falls, N. Y. 12-9

### WYANDOTTES

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-4

Thoroughbred White Wyandottes. Exceptional laying strain. Bred for practical purposes. Stock and Eggs for sale. ROYER & CLAUSER, Zionsville, Pa. 12-4

Choice Cockerels at Low Prices From Our Winning strain of snow white Wyandottes. We also have for sale a grand lot of yearling hens and pullets that will please any one. Stamp for reply. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-4

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-4

Silver Laced Wyandottes.—Only Cockerels and Pullets. Standard marked birds at right prices. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 12-5

Partridge Wyandottes. Adam's "Goldbank's." Won 49 prizes at three state shows. Pen fowls, \$10; choice large cockerels, \$3; choice pullets, \$2. Shipped on approval. "PARSON" ADAMS, Attoona, Iowa. 12-4

Wyandotte Poultry Yard, Spry, Pa., W. A. HILDEBRAND, Prop. Eight varieties of Wyandottes that won at York, Hanover and Dallastown. Stock for sale. Booklet free. 12-4

For Sale at Sacrifice.—My Entire Raising of White Wyandotte chickens (Jackson strain). Retiring. B. HOLLY SMITH, M.D., 1007 Madison Avenue, Baltimore, Md. 12-4

Silver-penciled Wyandottes. A Few Fine Cockerels and pullets for sale; April hatched; also two cocks, one \$5, one \$8; prize winners. J. E. MORSE, Taunton, Mass. 12-4

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

White Wyandottes and White Holland Turkeys. Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

Hacker's White Wyandottes; Free Range; High quality. Breeders and exhibition stock. Pens, \$15; cockerels, \$3, \$5, \$7. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-5

White Wyandottes—Winners Wherever Shown. Layers wherever grown. Stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis, Junction, Md. 12-5

Ashmead's Partridge Wyandottes Are Winners and layers. Four hundred birds now ready to go. I am making special prices on birds this month. C. R. ASHMEAD, Nevada, Mo. 12-5

Silver-penciled Wyandottes; Cornell-Loring Strain. Won three firsts, West Michigan State Fair. Young stock for sale. Will exchange cockerels. JAS. WASON, Grand Rapids, Mich. 12-5

1,000 Buff Rocks and White Wyandottes; Hail has partly ruined crops. Must sell. Remember prize-winners are hatched from my eggs. ALLEN SECHRIST, Port Trevorton, Pa. 12-5

For Sale.—Snow White Wyandottes, Finest Strain in America. Pullets and cockerels. Two snow white cocks, \$3 each. W. H. CLEMENS, Saginaw, Pa. 12-5

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

Columbian and Golden Wyandottes; Breeding and exhibition birds. L. H. DAVIS, Port Jefferson, N. Y. 12-5

Geo. A. Mead Poultry Yards; Breeder of White and Buff Wyandottes. A few good cockerels at \$1 and \$1.50. WARREN CO., Spring Creek, Pa. 12-5

Silver-laced and Columbian Wyandottes; Choice, vigorous stock. Fine cockerels; eggs in season. Write your wants and receive our prices. "THE POPLARS" FOWLERY, Spring Hill, Mass. 12-5

Thoroughbred White Wyandottes.—Exceptional winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickoryville, Pa. 12-5

Express Prepaid on Eggs of Our Choice Matings of "Snowflake" White and Columbian Wyandottes. Eggs, \$2.50 setting, delivered. MORNINGSIDE POULTRY FARM, Robt. Vandrimmen & Co., Pella, Iowa. 12-6

White Buff and Partridge Wyandotte Eggs, \$1 to \$2 per 15. White and Buff Cockerels. Free booklet tells the rest. WELLSBORO POULTRY YARDS, Wellsboro, Pa. 12-6

White Wyandottes, Pronounced by Judges to Be the whitest birds wherever shown. Young and old stock for sale; also eggs for hatching from White Wyandottes and Single Comb Black Minorcas. L. G. PLATH, York, Pa. 12-6

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Golden Wyandottes.—Winners at World's Fair, Chicago, Indianapolis, Cincinnati, and every first prize at Louisville (state show) the past four years. If you want fine exhibition stock, fancy breeders, or eggs, write me. W. M. SPALDING, Cox's Creek, Ky. 12-6

Partridge, Golden and Silver Penciled Wyandottes. Eggs, \$1.50 per 15. Satisfaction guaranteed. JAMES SCHRUBB, Urbana, Ohio. 12-6

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9



Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 12-2

Staggs' Range Farm White Wyandottes. Remember one of the great laying strains; quick growing; early maturing. Stock and eggs. HENRY W. KRAMER, Specialist, Lineboro, Md. 12-9

Columbian Wyandottes.—My Pullets, Hatched in March, began laying in August, half of my pullets are laying now, in cold weather. They can't help it; they are the Brayton strain. Eggs, 15 for \$3; 30 for \$4. O. F. BLACK, 32 Jefferson St., Newton, Mass. 12-6

Partridge Wyandottes.—Winning at the Great Dallastown Show, November, 1906, five firsts, four seconds, silver trophy, cup for best display Wyandottes, any variety. Choice stock for sale. Eggs in season. ENTERPRISE POULTRY FARM, Yoe, Pa. 12-6

For Sale.—White Wyandottes. Cockerels, from \$2 to \$5; hens, from \$1.50 to \$3. Bred from New York and St. Louis winners. R. D. BOL-LARD, New Castle, Pa. 12-6

Partridge, Silver Penciled and Columbian Wyandottes, winners World's Fair, Chicago, Indianapolis, Cincinnati, Cleveland. Stock and eggs for sale. CARVER & AVEY, Columbia City, Ind. 12-6

Golden Wyandottes, Keller and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

White Wyandottes, March Hatch. Cockerels weighing six to seven pounds; beauties. Write me. Satisfaction guaranteed. JOSEPH S. LUD-INGTON, Patterson, N. Y. 12-6

Silver Laced Wyandottes; Pure Bred. Perfectly shaped, true lacing, high scoring. From these will sell eggs, \$2 per 15. E. J. KNAUSS, Marion, Ohio. 12-6

Silver Laced Wyandottes; Purest Blood. Breeding cockerels for sale from \$2 up. Write for particulars. Satisfaction guaranteed. ELMER PETERSON, Sycamore, Ill. 12-4

Bruce's White and Buff Wyandottes Are Winners for ten years at leading shows. High-class stock for sale. J. R. BRUCE, Box 25, Wooster, Ohio. 12-6

White Wyandottes Exclusively (Duston's and Hallock's direct). Positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. HARRY AULENBACH, "Grand View," Wernersville, Pa. 12-6

Tulip Poplar Poultry Farm. Single Comb Reds and White Wyandottes. Bred for heavy laying. Trap nested. Eggs, \$1.50 per setting. COWPERTHWAIT BROS., Berlin, N. J. 12-6

America's Best Silver Penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Apulia Station, N. Y. 12-6

Columbian Wyandottes a Specialty. Ten Pens. Also a few choice pens Silver Penciled Wyandottes, American Dominiques, Light Brahma Bantams. DR. HARWOOD, Chasm Falls, N. Y. 12-6

## MINORCAS

S. C. Black Minorcas; Barred Rocks—Young Stock for sale for the fall trade. CHAS. L. BLANTON, Falls Church, Va. 12-6

Black Minorcas.—Bargain. Owing to ill health all breeders must go. 220 Cypher's Incubator, 2 Brooders, 3 cockerels, 20 hens, the best I ever owned. Eggs reduced. \$2.00 for 13. ED. CROUCH, Twinning, D. C. 12-6

Single-combed Black Minorcas. Young Stock For sale. Sired from Northup's No. 1. If you want winners at reasonable prices, write me. A. T. RENNERT, Coshocton, Ohio. 12-4

Ford's Black Minorcas (Single-combed) Royal Exhibition strain. Have size, shape, color, head points, vigor. Heavy winners at large shows. L. B. FORD, Somerset, Ky. 12-4

Single-combed Black Minorcas Exclusively (Northrup strain); 100 choice cockerels for sale; also pairs, trios, and pens (write). B. C. DEYO, New Paltz, N. Y. 12-5

Concentrate Your Efforts on (Charles G. Papis Strain) Single-combed Minorcas this Season. Illustrated circular and price list on application. CHARLES G. PAPIE, Fore Wayne, Ind. 12-5

Rose Comb Black Minorcas Exclusively. Breeding and exhibition birds at reasonable prices. Eggs, \$3 for 15; two sittings for \$5. I breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

Dexter's S. C. Black Minorcas; Leading Winners at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9

Beautiful Rose C. W. Minorcas, \$4 per Pair; eggs, \$1.50 per 15; P. Wyandottes, \$3 per pair; eggs, \$1 per 15 in season. J. H. SWISHER, Salem, Va. 12-6

Some Exceptional Values in S. C. Black Minorca Cockerels (Northrup strain). Can supply your wants. Satisfaction guaranteed. DR. E. D. GEIGER, Chenoa, Ill. 12-6

Single Comb Black Minorcas.—Imported Stock direct. No money spared to get the best. A few fine cockerels to spare at reasonable prices. No pullets for sale. E. S. LAWRENCE, Arnot, Pa. 12-5

## RHODE ISLAND REDS

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-6

Rose Combed Rhode Island Reds. A Few Choice cockerels left. Also a few good breeders. N. B. LINTS, Frankfort, N. Y., R. F. D. 3. 12-4

O. J. Young, Dayton, Ohio, Breeds Rose-combed Rhode Island Reds exclusively. Some dandy breeding cockerels, \$2 up. Score-card with each bird. Satisfaction guaranteed. 12-4

Rose-combed Rhode Island Reds.—Cockerels at \$2.50 and up. Bred from prize-winning stock. Eggs in season. CHARLES R. APPELEGATE, Freehold, N. J., Route No. 5. 12-5

For Sale.—Rhode Island Red Cockerels (DeGraff & Drisko). \$1 to \$3 each. One fine Single Comb Buff Leghorn cockerel. J. W. BEANS, Dranesville, Va. 12-4

R. C. R. I. Reds. Eggs in Season, \$1 and \$1.50 for 15. H. R. ARMSTRONG, Route No. 1, Box 73, Edgerton, Kans. 12-9

Fine Rose Comb R. I. Reds, Black Minorcas, cockerels, hens and pullets. Blue Andalusian cockerels. Prices right. W. C. H. SLICHTER, R. 5, Chambersburg, Pa. 12-6

Rose Comb Rhode Island Reds Exclusively. Eggs from birds scoring from 91 to 94, by Judge McCane, \$2 per 15; \$5 per 45; \$10 per 100. Some grand cockerels with score cards at \$5 each. HENRY T. SHANNON, Cary Station, Ill. 12-6

Red Eggs, 15 for \$2. Fourth Breeding Year. First market year. Supply limited. Spring orders booked now. Photo post cards of breeding stock, 10 cents. A. W. Clark, Enterprise, Miss. 12-6

Best Rose Comb Reds in the South at Hagers-town. Won on every bird at Harrisonburg, Va. December, won 3 first, 1 second, 3 third prizes. Cockerels. Eggs. SHOOK, McGaheyville, Va. 12-4

Rhode Island Reds—Single Comb. Breeding and exhibition stock at rock bottom prices. 15 eggs, \$1.50. Special price list free. ZEELAND POULTRY FARM, Zeeland, Mich. 12-6

Rhode Island Reds, Rose Comb, Exclusively. Breeders for sale. New York and Missouri State prize winners. VIRGIL BLAKEMORE, Fayette, Mo. 12-6

Utility and "Fancy" Are Not Opposites but Inseparable when Standard requirements are right. Every Single Comb Rhode Island Red I own carries the blood of a hen of my original \$50 trio, that in four years has laid over 600 eggs, and is now standard weight, active as a pullet, and laying merrily. If you wish the best, hook egg orders now. \$2 for 13. DR. J. H. C. WINSTON, Hampden-Sidney, Va. 12-6

## RHODE ISLAND WHITES

Rhode Island Whites. Cockerels For Sale. Bred from large, vigorous stock; at \$2 each. N. B. LINTS, Frankfort, N. Y., Route No. 3. 12-4

## BANTAMS

Won More First Prizes Pan-American on Golden and Silver Sebrights than all competitors combined. Buff and Black Cochins Bantams. Winners. CLYDE PROPER, Schenectady, N. Y. 12-6

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMANN, Carlisle, Pa. 12-12

200 Chicks, Best I Ever Raised, Red Pyle, Black, Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. 12-6

Bantams—Winners of 7 First, 4 Second, and 5 third premiums at Illinois State Fair, 1906. Stock for sale. J. C. JOHNSTON, Petersburg, Ill. 12-9

Partridge Cochins Bantams. For Sale, Some nicely-marked cockerels, fit to show; also one cock. White J. E. MORSE, Taunton, Mass. 12-4

Dark Brahma Bantams. Best Strain in the country. Winners at Boston, Madison Square, Rochester, Poughkeepsie; for sale cheap. LONE OAK BANTAM YARDS, Washingtonville, N. Y. 12-4

White Cochins Bantams. Young Stock From First prize hen Toledo, 1904. Second prize cockerel, Chicago, 1904; winners and beauties. N. V. CAMERON, Neapolis, Ohio. 12-4

Breeder of Buff Cochins Bantams Exclusively for eleven years. I breed for pleasure and not for profit. Fine stock, cheap. ARTHUR PORTER, Galena, Ill. 12-5



## Pheasant Farming



WE NOTICED a short time ago the statement that the owner of Edgewood Park estate, near Boston, had brought from Switzerland two hundred pheasant eggs for hatching and stocking his preserve. This leads to the consideration of pheasant growing as a pleasant, profitable, and attractive manner of having sport at hand in the shape of game birds for the shooting season.

Coleman's Rural World prints a long article on the subject of raising pheasants in Oregon. We feel sure that they could be quite as well grown in any state. They will, no doubt, be profitable. But it is not likely that very many will go into the business on account of the amount of capital required to start it. The birds are high-priced and the range expensive to equip, but no doubt there would be a large percentage of profit on the investment. The question as to whether the game law might prevent the sale of the birds in market need not be considered, so long as the living birds are from ten dollars to twenty dollars per pair for breeding purposes. If they should become cheap enough to be offered for food in the market, it would be an easy matter to have a law providing for the sale of domesticated birds as distinguished from ordinary game birds.

Pheasant raising on the small farms in the section tributary to Seattle and on the logged-off lands of the state is an idea which has suggested itself to Mr. Charles A. Kinnear, a Seattle attorney, as a means of largely increasing the incomes of struggling farmers and poultry breeders, says The Breeder and Sportsman. Mr. Kinnear, being a lawyer, is fully aware that the construction which the wardens of the state put upon the game laws preventing the sale of such birds on the open market would, if carried out, prevent the introduction of this new industry in the state. As a lawyer, however, he contends that the game laws really do not make any provision against the sale of pheasants, grouse, or kindred birds raised in captivity. In this, he declares he has the support of the attorney-general of the state, backed up by the common law definition of "game" birds and the interpretation placed thereon in other states of the Union.

As showing the possibilities of the industry, he points out that the value of the various plumage pheasants runs all the way from \$5 to \$28 per pair; that they are less difficult and no more expensive to raise than chickens, and that the market, both for plumage and the flesh of the birds, is practically inexhaustible.

"I first had my attention drawn to this matter a few months ago," stated Mr. Kinnear, "by receiving from the east some literature on the subject of pheasant raising. I don't know how they got hold of my name, but that is not material. I got the literature through some of it, and became interested.

"I find that in Illinois, Indiana, New York, and some other of the eastern

states, the raising of pheasants, quail, grouse, and others birds of that nature, is becoming an important industry, and that many fortunes have been made in it, with the possibility for many more; and I wondered why it was not possible for the struggling poultry breeder in our own state, these small farmers over at Colby and Manchester, and the western shores of the sound, who are supporting a family and sending their children to school on the product of three and a half acres of land, to annex this new source of income.

"I have noted a few examples of the possibilities of the industry. Wallace Evans, a nineteen-year-old boy, residing in the suburb of Chicago, now owns about 7,609 of these English and other plumed pheasants, giving him the largest



JAPANESE BANTAM

pheasantry in the world. It is only a few years since he started out with a single pair. The first year he had seventy-five birds, and the increase has been phenomenal. For his Lady Amherst pheasants he is getting \$28 a pair, and can not begin to supply the demand; silver pheasants are bringing \$17 a pair; golden, \$15 to \$22, and the Mongolian (or English) pheasants, \$5 to \$7 a pair. The latter variety is the most scarce in the woods and the best able to take care of itself. It also lays more eggs than any other.

"Fred Sudow, a pheasant farmer of Poughkeepsie, N. Y., who is the second largest producer in the world, says he is two thousand birds and two thousand eggs behind his orders. He is selling his birds for \$19 a pair and offering \$19 a hatch, for the eggs the first season.

"These birds are hardy and can be raised on the logged off lands of the state, among the stumps and small trees.





## Pheasant Farming

(Continued from page 28)

They are much better able to take care of themselves than chickens. They cost hardly as much to raise. While chicken meat sells for 15 cents, pheasant brings from \$1 to \$2 per pound. Chicken feathers sell for 25 cents a pound, while those of pheasants bring as much as 30 cents each feather, for fly fish hook and millinery purposes. Amherst, Silver and Reeve pheasants bring as much as \$15 each for mounting purposes, and taxidermists handle all the available supply and clamor for more.

"To any one who has ever seen the various breeds of pheasants, it would be needless to dilate on their merits and the great beauty of their plumage. Ladies who think they are wearing bird-of-paradise feathers in their hats are really wearing pheasant plumes, while the plumage of the Hoochee pheasants resembles that of the ostrich. The pheasants are the turkeys of Asia, as the guineas are of Africa and the peacocks of Europe. They are all true turkeys."

In connection with the above, an item from the American Farmer shows a curious result of crossing the pheasant with common fowls.

Pheasant-Fowl. Hybrids.—Cases have been recorded of cock pheasants breeding with fowls of the farmyard, the produce being sterile and incapable of reproduction among themselves or with either of the species from which they are derived. In order to favor this production the pheasant must have been bred among domestic fowls. The male pheasant occasionally pairs with a favorite hen, provided he has none of his own species with which to

mate. It is usual for only a small proportion of eggs thus fecundated to prove fertile. The introduction of a pheasant hen will immediately alienate the attention of the cock pheasant from his newly made mate. Common wild pheasant cocks have been known to mate with six varieties of fowls, viz.: Spanish, Gabe, Buff, Pekin and Indian Game Bantams, Gold and Silver Spangled Hamburgs. All of these hybrids were described as being exceedingly wild, with heads devoid of combs, wattles, or deaf-ears, and with tails approaching the conformation of the pheasant, but not so lengthy. In size, they far exceed the hen producing them, in color they are excessively darker, while their shape conformed more closely to that of the pheasant. The hybrid between the pheasant and the Spanish hen at adult age is black, and of a dull, sooty hue, with yellow legs, and weighing nearly seven pounds; round the face, instead of being white, presented the velvety appearance peculiar to the pheasant. In the cross between the black-breasted Red Game hen the scapular and breast feathers were penciled with as much regularity as in the male pheasant; the ground color was exceedingly dark, and the pencilings were not visible. The face was plain, and feathered to the eyelids; the eyes were of a deep hazel. Its weight was about six and a half pounds. As much dissimilarity was observed in the other three crosses in those described. The markings were as variable as could be, and the birds as pugnacious as it is possible to imagine, and were always sterile and unsociable.

## Use of Animal Food



EGGS CAN not be produced by hens during the winter months to any extent which do not have a sufficient amount of living protein in their food. When we say living protein, we refer to that quality which is gleaned from insects, bugs, worms and grasshoppers as a partial ration, such as they have during the summer months when running upon the range. The nearest approach to this is found in raw meat or cut green bone.

The use of meat of some kind is an absolute necessity for the best winter egg production, the cheapest, best and most profitable of all these is cut green bone. Wherever green bone is mentioned it means the raw bones, sweet and fresh enough for food, to which adheres more or less meat. The softer these bones may be, the better the produce will be from them. These bones, when passed through the bone-cutter, because a most valuable mass of food for the hens. It contains meat food and bone, which may be classed as the best of all egg-forming material. The bone obtained through re-

ducing the bones to fine particles through the bone-cutter can not be outclassed in any kind of food material that may be fed to hens in winter. A bone-cutter should be in the possession of every poultryman; it is most valuable in many ways. All the refuse from the table, including pieces of meat, bones from meat of any kind, chicken bones, dry bread and all vegetables may be passed through the bone-cutter and reduced to small particles which makes it possible to feed it to the poultry.

Personally, we would much prefer to do without corn, rather than to be deprived of the service of a bone-cutter. Too much corn is injurious to the poultry. Any of the foods above mentioned can not injure them after having been reduced into small particles through the aid of the mill. Many tons of table scraps are lost that might be reduced to fine particles through the aid of the bone-mill, and turned into money again through the egg-basket.

When spring approaches and the young chicks are among us, before the insects and little bugs arrive, nothing is so enjoyed by the young chick as a little bit of very finely cut green bone, which they love to pick at, haul about and devour.

Bantams—Sixty Buff, Black, and White Cochins, \$3 per pair; 10 Pyle cockerels, \$1 each; 10 Sebright cockerels, \$2 each. Circular. HAL CARMAN, Petersburg, Ill. 12-6

Bantam Eggs.—American Best Japanese, Sebrights, Cochins, Games, Frizzles. Send 2c stamp to A. A. FENN CO., Box 92, Burlington, Wis., for circular. 12-6

### JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10-12 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose Comb Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. tf

### ORPINGTONS

Will Sell First Prize World's Fair Single-combed Buff Orpington Cockerel and 12 prize Louisville-Nashville hens for \$500. Cockerels from this yard, \$5 to \$10. Pulletts, granddaughters first Boston cock, \$3 to \$5. Circulars. BLUEGRASS POULTRY YARDS, Mitchell, Tenn. 12-4

S. C. Black Orpingtons. Some Baragins in Extra choice stock, both old and young. Write your wants. JOSEPH S. RIEGEL, 1971 Summit St., Toledo, Ohio. 12-4

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch-plains, N. J. tf

Home of the B. Orpingtons. For Sale.—S. C. Black Orpington fowls and chicks. Write for prices. MRS. H. WEDDERSPON, Pesthmoor Farms, Cooperstown, N. Y.

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out; price, \$3 np. Eggs in season, \$2 and \$3 a setting. H. PEARSON, 500 Valley St., South Orange, N. J. 12-5

S. C. Buff Orpingtons and White Wyandottes. A limited number of yearlings and young stock for sale. Eggs in season. H. C. FINCH, Sugar Creek, Pa. 12-6

Single Comb Buff Orpingtons for Sale—Reasonable. Large, vigorous, utility cockerels, at \$3 each, or two for \$5. Eggs in season. DR. SEBRING, Bellefonte, Pa. 12-6

Single Comb Buff Orpingtons and Barred Rocks. Orpingtons are fine with clear buff wings. Barred Rock direct from Thompson, the Ringlets. Stock for sale. Eggs, \$3 sitting. C. S. JENSEN, Dover, N. J. 12-6

Buff, Black, Whites and Diamond Jubilee Orpington cockerels, bred from first prize winners and imported birds. DR. GEO. W. DAVIS, Pleasantville, Md. 12-6

S. C. Buff Orpingtons, Stock for Sale. Eggs in season; prices reasonable; stock as good as the best. Write to-day. PERSIMMONHYRST FARMS, Benwood, W. Va. 12-6

Terry's S. C. Buff Orpingtons, Properly Mated, unrelated, scored pens and farm range. Eggs in season. Satisfaction guaranteed. SUNFLOWER ORPINGTON FARM, Benton, Ohio. 12-6

Orpingtons—Single Comb, Black, Buff White. Prize winners Columbia, Charleston, Augusta, Charlotte. Single birds, pairs, trios, or pens for sale cheap. McELREE, Columbia, S. C. 12-6

S. C. Buff Orpington Stock and Eggs for Sale; cocks and cockerels, \$1.50 to \$5; hens and pullets, \$2 to \$3; eggs, \$2 per setting. MISS JULIA JONES, R. D. 1, Tobaccoville, N. C. 12-6

### BRAHMAS

Light Brahmans Exclusively. Eggs, 15, \$3; 30, \$5. Winners at Ballston, Albany, Schenectady and Gloversville. Selling guaranteed stock. EAST VIEW POULTRY YARDS, Ballston Spa, N. Y. 13-3

Dark Brahmans, Chicago First Prize Winners. Fine show and breeding birds and extra good layers. Old and young stock for sale. If you are after something fine write me. Prices reasonable. REV. W. BERBERICH, Elgin, Ill. 12-6

Light Brahma Cockerels and Pulletts (Felch strain), good feathering, shape, and size, at \$2 each. KENT JENNINGS, R. F. D. 3, Mt. Gilead, Ohio. 12-4

### FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvellers. Send stamp for circulars. DR. PHELPS, Glen Falls, N. Y. tf

Salmon Faverolles, America's Best. Get a Cockerel and wonderfully improve your flock for eggs, meat and size. Eggs for hatching. WISE-ACRES, Box 33, Croton-on-Hudson, N. Y. 12-6

### ANDALUSIANS

Blue Andalusians, Winners at State Fair, North Yakima, 1906. S. C. R. I. Reds. Stock for sale. Eggs by sittings or hundred, in season. MRS. J. W. DENNY, Greenlake, Wash. 12-4

### ANCONAS

Mottled Anconas; Marsh's Strain; Beautiful birds; great layers. Eggs and stock. Circular for stamp. ANCONA POULTRY YARDS, Dr. Marsh, Proprietor, Route 8, Oswego, N. Y. 12-9

### MOTTLED ANCONAS

Mottled Anconas—Hear Where I Win Again, 1st and 2d. at the great Allentown Fair, 1906. Some fine show birds for sale. FRANK W. MAINS, Morris Plains, N. J. 12-4

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Cochins.—Buff and Partridge; Splendid Shape and profusely feathered; for fine cockerels, pens and trios, write DEWITT YATES, Kankakee, Ill. 12-4

White Cochins, Exclusively; Eggs and Stock for sale. Satisfaction guaranteed. J. F. JOHN-SON, Brooklyn, Ohio. 12-4

White, Black, and Partridge Cochins. Winners at Boston, New York, Pittsburg. Winter quarters now full of high-class birds. Stamp for circular. D. C. PEOPLES, Uhrichsville, Ohio. 12-8

High Grade Partridge Cochins from \$1 Up; Good in weight, shape, color, pencilling and extra good in leg and toe feathering. E. C. JOLLY, Franklin, Ill. 12-5

Cochins, Best Imported English Strain. Solid buff, heavily feathered, perfect shape. Fifty March hatched cockerels and pullets for sale. R. WILLARD BAER, Topton, Pa. 12-5

Beautiful Buff Cochins. Immense Size, Heavy feathered, good shape. Prize winners wherever shown. \$5 per trio, \$7.50 per pen. Special price on large numbers or on show birds. Write your wants. LUTHER ULUM, Keswick, Iowa. 12-5

Fine Black and Partridge Cochins, \$2, \$3, \$4 and \$5 each. Prize winners 25 years. No circular. DR. H. T. BALLARD, Cullom, Ill. 12-6

Buff Cochins.—Line Bred for Many Years. Look up our record at all the leading shows. Two hundred grand birds for sale. Every bird sent out guaranteed to please or can be returned. A. W. RUDY & SON, Hagerstown, Md. 12-6

John E. Walker, 31 years a Breeder of Top-notch, golden tinsel Buff Cochins poultry exclusively. Stock for sale. Martinsville, Ind. 12-6

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Pit Winners on Two Continents; Prize Winners at three world's fairs. Also gaffs, boxing gloves, dubbing scissors, game books. Stamp for illustrated catalogue. H. CLARKE, 200 Mansur Block, Indianapolis, Ind. 12-4

Cornish Indians. First at Hagerstown, Allentown, Harrisburg, Middletown, etc. Special at Hagerstown for best display. Circular G free. R. D. REIDER, Middletown, Pa., Route No. 2. 12-5

### LANGSHANS

Fine Black Langshans and Buff Orpingtons. Young stock, \$1 to \$3 each. Eggs in season. Write your wants. J. E. ADAMS, Hntonsville, Ill. 12-4

Black Langshan Pulletts and Cockerels, \$1 each. A. G. WEAVER, Front Royal, Va. 12-4

### LAKENVELDERS

Lakenvellers. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Souderton, Pa. 12-9

### POLISH

White Crested Black Polish Single Birds. Pairs and trios. Silver cup winners at World's Fair, Boston and New York City. Write for wants. CHAS. L. SEELY, Pres. Am. Polish Club, Afton, N. Y. 12-5

Six Trios Golden Spangled Polish at Half Their value must be sold, the most beautiful fowl in existence. Write T. F. ADAMS, Binghamton, N. Y. 12-6

### SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

### TURKEYS

200 Bronze Turkeys. Bred from 47 Pound Toms and 25 to 30-pound hens. Winners the world over. Stamp for reply. GEO. WOLF, Seneca Falls, N. Y. 12-5

Half-wild, Half-bronzed.—Anxions to Raise Turkeys? Fine young and old stock for sale. Full Wild tom. Special inducements to early buyers. BERTHA M. TYSON, Rising Sun, Md. 13-2

Fine, Large Bronze Turkeys, Lined by a 50-lb. Tom. Up to the standard markings and weight. Prices reasonable, quality considered. Both sexes. ROME McDOWELL, Greentown, Ind. 12-6



Mammoth Bronze Turkey Eggs Guaranteed to Hatch or money refunded; also, White Wyandotte and Single Comb White Leghorn eggs by the dozen or hundred. C. ADELL KAYNER & CO., Lockport, N. Y. 12-5

100 Mammoth Bronze Turkeys for Sale. Large, young toms and hens; April hatch; bred from 40-pound toms and 20-pound hens; winning at Hagerstown, 1906; first tom, first hen; write for circulars. F. G. ZIMMERMAN, Lincoln, Frederick Co., Md. 12-4

## DUCKS

Rouens of Finest Quality. Young and old birds ready for the best shows. Send for show record. F. D. BAERMAN, Dunellen, N. J. 12-4

Wild Ducks.—Pin Tail, \$5; Mallard, \$5; Blue and Green Wing Teal, \$5; Red Head, \$8; Blue Bill, \$8; Gadwall, \$8; Spoon Bill, \$7; Wood Duck, \$16; Widgeons, \$8. Also Rouen at \$3; Colored Muscovy at \$3 per pair. African Geese at \$6 per pair. Order from this ad. MEDFORD FARM, Nickerson, Kans. 12-4

For Sale.—Beautiful Dark Green Muscovy Ducks. Apply BOX 147, Hinsdale, Ill. 12-6

Choice Pekin Drakes for Sale, Early Hatched, \$2 each. EVERGREEN POULTRY FARM, Glassboro, N. J. 12-4

Rouen Ducks.—I Have a Few Fine Drakes for sale from the world's best strain of Rouens. Prices reasonable. Absolute satisfaction guaranteed. Write F. D. FOWLER, Carlinville, Ill. 12-9

Wild Mallard Ducks; Ornamental, Show, Table, breeders, decoys, Albino (white or green). Head, \$5 per pair. RIVER VIEW FARM, F. B. Fenton, Beloit, Wis. 12-6

Mammoth Pekin Ducks. Bred from My Delavan and Milwaukee winners. Show birds and utility birds for sale now. CHAS. W. BEARDSLEY, Darien, Wis. 12-6

Mentzer Duck Farm, Waynesboro, Pa. Seven hundred thoroughbred Imperial Pekin breeders, specially selected from about ten thousand hatched this season. Drakes not akin. None better. 12-6

## GEESSE

Brown China Geese, Indian Runner Ducks. Prize winners at state show and wherever shown. Low prices for early orders. O. C. SECHRIST, R. R. 2, Meriden, Kans. 12-4

## PHEASANTS

Direct Imports; All Breeds; Any Number; Guaranteed pure blood; strong, healthy, perfect birds. Cocks in plumage. If interested, send six stamps for book, "The Pheasant Industry," and 20-page catalogue. Prices right and satisfaction guaranteed. THE OHIO PHEASANTRY, Columbiana, Ohio. 12-4

Golden Pheasants, Young and Full-plumaged Birds for sale. Extra fine birds. C. W. SAYLOR, Greenfield, Ill. 12-4

Golden and Amherst Pheasants. Guaranteed Finest quality. Young stock, \$12 and \$18 per pair. Partridge, Cochlin Bantams; none better; winning four firsts and four seconds at Dallastown Show, November, 1906. Prices reasonable. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-6

Pheasants.—Wood and Mandarin Ducks, Peafowl, Pheasants, Fancy water-fowl and Quail, books and color plates. Ginseng, Golden Seal. N. B. CURSTEAD, Oliphant Furnace, Pa. 12-6

## ORNAMENTAL

Fancy Pheasants, Ornamental Water-fowls, Game Birds, Shooting Pigeons, etc., from the famous yards of Jul. Mohr, Jr., Ulm, Germany. Write for price list. WENZ & MACKENSEN, Yardley, Pa. Sole agents for U. S. A. and Canada. Next importation about end of January, 1907. 13-3

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Burnese Hen, Polish Lynx, Carriers, Dragons, Pouters, Pignoles, Fantails, Jacobins, Owls, Turbits, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-4

Fancy Pigeons.—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. 12-4

For Sale.—Pigeons of the Following Kinds: Jacobins, all colors; Black and Blue-winged Turbits; Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-4

German Pigeons.—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

For the Next Four Months I Will Sell 500 Homers at 75 cents a pair; 100 Homer hens, 50 cents each; also Runts, half Runts and 500 fancy birds. SOMERSET PIGEON LOFTS, Somerset, Mass. 12-4

Wanted 5,000 Common Pigeons.—Pay at Least 25 cents a pair. Highest prices for homers, guinea fowls and live rabbits. N. GILBERT, 1128 Palmer St., Philadelphia, Pa. 12-5

Imported Squab Stock. Maltese, Cameaux, and large Homers. Linenold hands, nest nappies, nest trap; circulars. ERNEST WINSLOW, Apopang, R. I., 1 R. F. D. No. 55. 12-5

Pigeons of Following Utility Stock, Runts, Maltese Hens, Dragons, Dutchess, and Homers, 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty St., Camden, N. J. 12-6

Am Now Booking Orders for Buff Rock Eggs (Hawkins strain) at \$1.50 per 15. Special agency, Racine Incubators. "MAPLE CREST," Middletown, N. Y. 12-4

For Sale.—25 Pair of Yellow Fans, \$2 a Pair and up. Address J. S. HUNTER, East Avenue, Middletown, N. Y. 12-4

## HOMING PIGEONS

Especial Sale 1 Pen, 35 Pairs Homing Pigeons, \$35; part pure white hens; good squab producers; 8 pounds per dozen and healthy. S. H. EVERETT, Stockton, N. J., L. Box 176. 12-5

Homing Pigeons.—I Have a Number of Fine cocks in Blue and Black Chequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race st., Philadelphia, Pa. 12-4

High-Class Homer Pigeons for Squab Raising, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

For Sale.—Young Thoroughbred Homers from the world-renowned Antwerp strain, at \$1.25 per pair. None better. All 1906 seamless banded. You get no worn-out breeders when you buy these birds; and they have their full life work before them. Also large mated Homers, \$2 per pair. A. M. HOLMES, Monon, White Co., Ind. 12-4

Wanted.—Homer Pigeons of Good Breeding Age, and quantity. Also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bourse Building, Philadelphia, Pa. 12-4

When You Want White Homers Write to Emmons, the White Homer Man; he has the right kind at the right price. HUNTERDON CO. LOFTS, Kingwood, N. J. 12-4

Working Homers. If You Want Good Birds Write us. Buy mated birds and save money. Will send beginners' instructions for stamp. WEBER BROS., Hagerstown, Md. 12-5

County Line Poultry Farm. 25 Pairs Fine Homer pigeons for sale; \$1.50 per pair; also 1,000 choice poultry and eggs in season. JOS. ANTHONY, East Berlin, Pa., R. F. D. No. 4, 12-5

200 Pairs Young Mated Homer Pigeons for sale at 50 cents per pair; all nest mated birds. CHAS. H. WOOD, Green Lawn, N. Y. 12-5

For Immediate Sale.—3 Pairs Black Homers, 1 pair Black cock and Dun hen. 1 pair 1905 English Carrier Cock and Dun Homer hen and 1 pair Brown Homers—all large showy birds, with good wattles and eye, are at \$2.50 a pair; also 2 pairs Red Check Homers, 2 pairs Silver Homers, at \$2 pair. Order from advertisement. If birds are not satisfactory, return them, and money will be refunded less express charges. WM. ASKEY, Lonaconing, Md. 12-4

First Class Mated Breeding Homers.—Ten-pair lots and over, \$1.35 per pair; under ten pairs, \$1.50 per pair. E. K. McLEAN, Jr., Hoosick Falls, N. Y. 12-6

Raise Big Squabs; Homers (extra large) Banded. Squabs weigh 12 to 16 ounces at four weeks; mated pairs guaranteed; correspondence solicited. JOHN COLE, Humbolt, Iowa. 12-6

Young Pure White Homers in Three Pair Lots, \$4.00. They are beautiful and large; also S. C. Brown Leghorn cockerels (Wittman strain), \$2.00 each. The best show and laying strain known. Circular free. H. M. MOYER, R. 2, Bechtelsville, Pa. 12-6

Important and Valuable Information That Every one interested in pigeons should have—mailed free; send postal to-day. HOWARD BUTCHER, New Britain, Bucks County, Pa. 12-6

## UTILITY PIGEONS

We Make a Living Raising Squabs, and Can Tell how to do it. Detailed reply for 10 cents. PRACTICAL PIGEON PENS, East Bridgewater, Mass. 12-4

## FERRETS

6000 Ferrets. Some trained specially for rats. Book and circular free. LEVI FARNSWORTH, New London, Ohio 12-4



## The Model



VISITING their new factory, Henry Street, Buffalo, N. Y., we found Mr. and Mrs. Charles A. Cyphers hard at work for the advancement of the Model artificial hatching and rearing machinery. Mr. Cyphers is more than enthusiastic over the prospect of the outcome and profitable results to be gained from the Model Poultry Farm, a bird's-eye view of which is presented in the columns of this issue. One need only to gaze upon the mammoth outlay of this plant to fully realize that the man at the head of all this is determined, if possible, to prove to the world that a large income can be made through properly handling a model poultry plant for the production of poultry and eggs for market.

We have often wondered how it was possible for Mr. Cyphers to pay so much attention to outlining, constructing, remodeling, and advancing new propositions in a business of such character and magnitude. We now fully realize that in Mrs. Cyphers he has the kind of assistance that always means success. A very short interview would quickly convince anyone of the ability and determination of Mrs. Cyphers to push the Model into every crack and crevice of poultry trade where the slightest opportunity presents itself. Her entire interest seems to be wrapped up in the one proposition of placing in the hands of growers a Model, and following it up until it becomes a success in the hands of the purchaser.

When one stops to consider the enormous number of sewing machines, reaping, mowing, and harvesting machines that are sold each year, they begin to approach some realization of the number of incubators and brooders that will naturally be used during the year. The recent census gives positive evidences that there are over five million individuals interested enough in the growing of poultry to report their product to the census taker. The Government itself admits that more than half as many more did not make any report of their products. If there were seven and a half million individuals on farms and smaller plats interested in the growing of poultry in 1900, and the natural increase of same would be five per cent, each year, which is less than was averaged the ten years previous, we would have 325,000 new poultry growers each year. If but five per cent. of all these, old and new, would purchase each year, it would make a business far in excess of all the manufacturers can supply.

More than ten years ago the cry was raised by those not well informed that the poultry business would soon be overdone. To prove the fallacy of this, we have but to consider the price that we have all of us been called upon to pay for our Thanksgiving and Christmas turkeys, poultry of all kinds and eggs for culinary purposes. In localities where eggs would scarcely bring twelve cents per dozen twenty-five years ago, they can not be purchased at the present time for twenty-five.

As long as the price of poultry of all kinds for meat and eggs sells double in

value each ten years, no one need to fear that there will be an over-production of poultry products, and with such conditions confronting them, Model incubators, brooders and appliances, and the Model Poultry Plant is bound to advance in increase in production, returning more of a profit than anyone can realize.

We should advise that each one of our readers secure from Charles A. Cyphers, 316 Henry Street, Buffalo, N. Y., copies of the following: "Poultry Feed for Profit," "Eggs, Broilers and Roasters," and a catalogue of their new style of incubators and brooders. With these in hand, the study of how best to produce profitably through artificial methods would be greatly simplified.

## Shows

Central New York and Pet Stock Association will hold a show during the week of January 14th, at Maennerchor Hall, Utica, N. Y. A. J. Forbes, secretary, Whitesboro, N. Y.

Richmond, Va., will have a poultry show during the week of January 22nd. F. S. Bullington is the secretary, Richmond, Va.

The Montana State Poultry Association are booked for a show during the week of January 28th next. Premium lists are now ready. Address F. J. Schmid, Great Falls, Mont., for same.

The Central New York Poultry Association will hold their next annual show at Utica, during the week of January 14th. C. R. Coppel, Utica, N. Y., is the secretary.

During the week of January 22nd, there will be held at Exeter, N. H., the annual exhibit of the Exeter Poultry Association. Charles W. Barker is the secretary. Write to him for catalogue.

The management of the Cleveland, Ohio, show is very anxious, indeed, to make a grand showing at their coming annual exhibition, to be held at Gray's Armory, Cleveland, Ohio, during the week of January 14th. Premium list is now ready for delivery. Address F. F. Gruhl, 9902 Woodland Ave., Cleveland, Ohio.

The Morris Country Poultry and Pet Stock Association, of Morristown, N. J., have changed their date to January 28 next. Lloyd B. Tredway, secretary.

The Philadelphia Show is out with the announcement of their liberal classification and complete list of competent judges. Philadelphia should have a big show this winter, February 5th to 9th.

"Enclosed please find remittance for fourteen subscribers. This makes twenty-three subscriptions I have taken up to date. I got an order enclosing the money for some chickens from a party in Lynchburg, Va., this morning through you. Thanks."—Edgar H. Swain.

"I enjoy The Feather better each month."—W. Tunnicliffe.

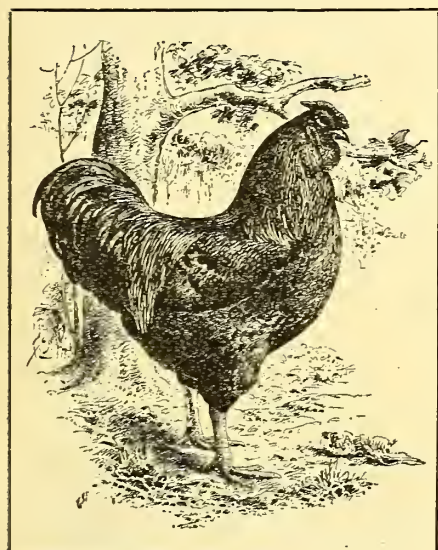




## New Varieties



IMAGINE that the poultry fanciers of the world will be so busy for many years to come in improving and finishing the many new varieties recently brought forward as to keep them from originating others, or, perhaps, as one writer stated a short time since, they had run out of kinds, varieties and colors, and to make a success, they must originate something entirely new as to type and plumage color to attract attention. Almost every type of fowl has its counterpart in other breeds and varieties, like the Light Brahma, Columbian Wyandotte, Dark Brahma, Silver-penciled Plymouth Rock and Wyandotte, the Buff Cochins in every breed, the Partridge Cochins in the Partridge Wyandotte and Plymouth Rock.



PARTRIDGE WYANDOTTE

This may be continued on through the list until there is practically a counterpart of everything that has ever been known or thought of in type, character or variety of colors.

Every breed and many varieties of same have been miniaturized in Bantam form, until the list of Bantams almost equals the list of the larger sized fowls. Countless kinds have been added to the list until they are becoming burdensome in the exhibition hall. The breeder, the amateur and the world at large are busy in this line. It would not do to class any of them as useless, but the more they are multiplied, the less demand there is for any one outside of what is known as the money-making limit. We invite each and every fancier engaged in poultry growing to carefully calculate and consider the money value, and the money that is made from market poultry and eggs from each and every variety that they are interested in, to calculate the loss and gain to the producer, and then ask himself the question whether it really pays or not to continue to add to and multiply the varieties without advantages to be gained

in marketing them—the only true gage of their actual worth.

A few thousand of a certain variety sold for reasonably good prices in the market is no test of quality. How many of them are grown and sold as market poultry? How many of them are used for the production of eggs for market? How many of them can be advantageously used on egg-producing farms? How many of them will be used for growing market poultry? Only in the consideration of these questions in this way should one decide the value of a new breed or variety.

Everyone should be encouraged along the lines of improvement. No one should be encouraged in any unreliable pursuit. No one should be led into the opinion that there is untold wealth in producing new breeds. The facts are that more than one-half of them prove to be a financial loss to the originator, and the final outcome, if there is any, to the breed, goes with the careful breeder, who takes them up partly finished from the hands of the originator and lines them up as fine exhibition specimens, the first of which sells at very high prices. We have been asked frequently whether we thought there would be money in making this breed or that. We say that we do not believe at the present time there is the opportunity for any new breed or variety to succeed or in the future, unless it is absolutely and distinctly new in form, shape and color, and generally desirable. Any more close imitations of what we have will scarcely succeed as a profitable venture. There is work enough in hand in finishing and improving what we have, and there can be more success and profit from so doing than will ever be made by the originator of any new breed.

## The American Light Brahma Club

Will offer five of its splendid club ribbons at the Washington Show, for best cock, best hen, best cockerel, best pullet, best pen, to be competed for by members of the club. No other club has ribbons to compare with these; they are very handsome and an ornament in any breeder's home. Any breeder in good standing can become a member of the club by forwarding \$1 dues to the secretary, who will send you receipt for the amount and enter your name as a member of the club, and you can compete for these beautiful trophies. The Editor of this paper is a member. Why not join the club now? John Rumbold, secretary, 113 W. Barre street, Baltimore, Md.

"Please find \$1 cash enclosed for which please send to my address The Feather and American Fancier. They are two grand papers, and I look forward to their coming with great pleasure."—Frank C. Burbank.

"The Feather is a fine paper, and I congratulate you on your success in making it so."—F. E. Smith.

Ferrets, Beagles, Fancy Rabbits, Barred Plymouth Rocks (from Gardiner), Toulouse Geese and Indian Runner Ducks. Thirteen years' experience as a breeder. J. M. MARTIN, Delanson, N. Y. 12-10

Fifteen Thousand Ferrets; Perfect Workers. These animals exterminate rats, hunt rabbits. 48-page illustrated book for 6 cents. Circular price list free. SAMUEL FARNSWORTH, Middletown, Ohio. 12-4

Send 10c for Catalogue and the Greatest Book published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

Ferrets by the Thousand, Wholesale or Retail, will clear your buildings of rats; drive rabbits from burrows. Circulars free. JEWETT BROS., London, Ohio. 12-6

### BELGIAN HARES

Heavy Weight Belgian Hares, Bred from Choice Pedigreed and prize winning stock. Write your wants. THE PLEASANT VIEW RABBITRY, Clark Pa. 12-5

### DOGS

At Stud—"Napoleon"—A Grand, Large, Collie, two years old, golden sable, excellent breeding; Wislaw Clinker blood. Fee, \$5 for a short time. A few fine females for sale. CRYSTAL POULTRY FARM, Washington, N. J. 12-11

### FOR SALE OR EXCHANGE

For Sale.—60-acre Poultry Farm, Greenhouse and garden business. BOX 63, West Cheshire, Conn. 12-1

Guinea Pigs.—Attractive Pets; Profitable; also Homer, Tumbler and Dragon pigeons. For sale low, or exchange for Bantams. WOODCREST FARM, Box 3134, Boston, Mass. 12-4

Two Thoroughbred Bronze Turkey Gobblers "Young." One White Bull Terrier for sale or exchange. Something fine. Address E. E. RAMSEY, Belair, Md. 12-12

Pheasants: Amherst, Golden, Silver, Ringneck. Fancy poultry, pigeons, and ducks. Place your order early for eggs. Good birds on hand. Correspondence solicited. HILLSIDE PHEASANTRY, Reading, Pa. 12-8

Large Poultry Farm for Sale. Good Land, Large dwelling, new barn, outbuildings. Hen houses and yards accommodate one thousand laying hens. Other business the reason. LAUREL HILL POULTRY FARM, Roxbury, Va. 12-6

### BARGAINS

Trios Either Golden Wyandottes, Barred Rocks, Black Minorcas, or White Leghorns, \$3; Rose or Single Comb Buff Orpingtons, Partridge P. Rocks, White Wyandottes, \$4; Columbian Wyandottes, \$5. Other bargains. Choice stock. JOHN P. SMITH, Deckerville, Mich. 12-5

### SUPPLIES

Poultryman's Mill for Cutting Green Bone, Clover and vegetables, and cracking corn and shell. Single-combed Reds. Circular free. L. H. STEWART, Erie, Pa. 12-4

Before Buying an Incubator Get Our Free Catalogue. It will give you some money-saving points. Plans for brooders and poultry houses, 15 cents; poultry book, 50 cents. COLUMBIA INCUBATOR CO., Delaware City, Del., Box 10. 12-8

Sea Shells for Poultry and Pigeons. Good Quality sea shells in barrels, sacks, and ton lots. Samples and prices on request. DANIEL SHEEHAN, Guilford, Conn. 12-5

Poultrymen—For \$1.50 We Send You Prepaid 150 of each noteheads, envelopes, and cards, on first-class paper. Samples free. N. MENDELS & SON, Grand Rapids, Mich. 12-8

Greene's Guaranteed Roup Cure, Large Size 50c, post-paid; Greene's Guaranteed Canker Cure for pigeons, 50c, post-paid. GREENE CHICK FEED CO., Lowell, Mass. 12-9

Do You Want Eggs Now and All Winter? Feed Greene's Puro-Pro-Tein—78 per cent protein guaranteed; a positive egg producer; sample post-paid; 25c. GREENE CHICK FEED CO., Marblehead, Mass. 12-4

Double Your Egg Yield; Feed Green Bone Cut on Crown machine, \$6; shell mills, \$4.50; send for circulars. W. W. JOHNSON, Stockton, N. J. 12-6

### BOOKS

System in Poultry Practice, Book by James Shackleton, sells throughout the English speaking world. Price, \$1. Circular free. JAMES SHACKELTON, Box 567, Milburn, N. J. 13-1

A Book on "Homesteading," or Better Known as "Government Land Guide" to a Billion Acres of Homesteading, Grazing, Mineral, and Timberland, in twenty-five states, located by counties. If you will send us 75 cents we will mail you the Black Loam Journal, a journal published in the interest of the Homeseeker, Investor, Farmer, and Stock Raiser and Property Owner, for three years, and will send you the above named book free of charge. The Government Land Guide alone is worth the price of the entire three years subscription. Write us for our special advertising proposition and rates. ANCHOR PUBLISHING COMPANY, Omaha, Nebr. 12-4

The Homing Pigeon. The Latest Book on These fascinating birds. 16mo., printed on excellent paper, and profusely illustrated. It is a little gem. Price, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Diseases of Poultry, by D. E. Salmon, D. V. M., is the only standard and reliable work published in the English language on this important subject. 248 pages and 72 illustrations. Price, 50 cents, post-paid. Address, GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Pocket-money Poultry, by Myra V. Norys. Written particularly for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping, and thoroughly illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The American Fancier Poultry Book, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Money in Squabs, by J. C. Long and G. H. Brinton. The only practical book published on raising squabs for market, and is of untold value to all interested in raising pigeons for pleasure or profit. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Squab Book," by W. E. Rice, is one of the latest additions to The Feather Library. This new book, with its questions and answers, is indeed a treat for squab breeders. It is printed on enameled paper and is profusely illustrated. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Pigeon Book," by J. C. Long, is superbly printed on calendered paper, and illustrated with a half hundred fine half-tones. This book is credited with being the best and most practical book published on breeding and raising all kinds of pigeons. No library or home of a pigeon fancier is complete without it. The illustrations are said to be the finest and most accurate ever drawn. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"Plymouth Rocks," by T. F. McGrew, Contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

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### MISCELLANEOUS

County Line Poultry Farm Barred Rocks and Buff Leghorns again winners. Lockport, N. Y.: 1 entry Barred Rocks, 2d pen; Buff Leghorns, 2d cock, 2d hen, 1st, 2d and 3d cockerels, 1st, 3d and 4th pullet, 1st pen; Auburn, N. Y.: 2d and 3d cockerels, 3d, 4th and 5th pullets, 1st and 3d pens. Send for catalogue of matings. Address A. G. BARLOW, Box A, Barker, N. Y. 12-11

Ninety Varieties Poultry, Eggs, Pigeons, Ferrets, dogs, Angora goats, Belgian hares, etc. Descriptive sixty-page book and store at your door. 10c, mailed. List free. J. A. BERGEY, Box 22, Telford, Pa. 12-11

10 Best Varieties, Dark Brahmas, Buff Cochins, Barred Rocks, White, Golden, Silver Wyandottes, Spanish, Leghorns and Minorcas. Stock and eggs for sale. EMERY REIFENBERG, St. Johns, Pa. 12-4





## Business World



ALL poultry growers are more than interested at this time in the question of the proper kind of animal food which may be furnished to the hens at the least possible cost. There has recently been issued a little book called "Worms and Bugs." This tells much of interest along these lines. It is only necessary to send a postal card to the F. W. Mann Co., Milford, Mass., and tell them that THE FEATHER requests you to ask for a copy of this book, and it will be sent you by return mail.

Poultry and pigeon growers are constantly in search of the best quality of food for their stock. The Keystone poultry and pigeon foods, manufactured by Taylor Bros., of Camden, N. J., are attracting unusual interest throughout the country. These people are anxious to send their catalogue to all poultry and pigeon fanciers throughout the country. They have a full line of all kinds of appliances including incubators, brooders, fixtures, etc. Address them at Camden, and ask for their catalogue.

There has just been issued one of the most interesting catalogues to poultrymen, garden farmers and those caring for small city lots. This catalogue tells of every labor-saving implement and machinery to use about the poultry yards and gardens. We could scarcely enumerate the number of novelties presented in this catalogue. Every reader of THE FEATHER should have one and can have it by sending a postal card to S. L. Allen & Co., Box 1105 B, Philadelphia, Pa., and request that one be sent them.

One of the best and most favorably known names in the poultry world is Page Woven Wire Fence Company, of Adrian, Mich. These people issue a little paper that tells more about the use of fencings than one might learn elsewhere in a long time. Their winter edition is just from the press. If you write and tell them you saw this notice in THE FEATHER, and ask them so to do, they will send you this paper free.

There has been a reorganization of the Perpetual Hen Company, which is located at Trenton, N. J. The new company will continue to manufacture the same line of goods that was so successfully put out by the Perpetual Hen Company the last two years. Considerable new capital and sterling worth has been added to the organization. Read their advertisement in the columns of this paper, and write direct to the company for the latest information relative to their goods.

Prof. Howard Evarts Weed, Railway Exchange Building, Chicago, has just issued a little book on spraying for profit. This is beautifully illustrated, and contains a world of information for all who

have use for spraying machines. Drop a line to Mr. Weed, who will be glad to serve you with this little publication.

One of the oldest and most successful manufacturers of brooders, incubators and chick foods is the Pineland Incubator Company, Jamesburg, N. J. These people have been long and successfully connected with the poultry business of the world. Their machines are known everywhere. They have been represented in the columns of THE FEATHER from the beginning of their business. We trust that every one of our readers who may be interested in any of these goods will write to these people, and ask for the latest and most complete information relative to their new products for 1907.

The medicine case to the poultryman is as important at the present time as are any household necessities. Wm. Rust & Son, of New Brunswick, N. J., have been long and favorably known as manufacturers of poultry remedies. They have just issued a beautiful little catalogue giving full information for the handling of poultry and water-fowl for eggs. Drop them a postal card, tell them that you read this in THE FEATHER, and they will gladly mail you a copy of same.

We would call the attention of our readers to the beautiful Buff Leghorns offered by James Kugler of Frenchtown, N. J. Mr. Kugler writes us he has a better lot this year than ever before. He is anxious to dispose of all of his Buff and White Plymouth Rocks, and can furnish a few from choice Buff Leghorns. See his advertisement in THE FEATHER.

We are pleased to announce that the Cornell University Poultry Association will hold their fourth annual poultry show February 13, 14, and 15, 1907. The primary object of this show is educational. There will be an exhibit of poultry, pet stock and a complete set of charts and other matters of interest pertaining to the course at the college and a list of poultry books and publications will be on sale.

"I have received the November and December numbers of The Feather. They are grand, no mistake."—Wm. J. Bailey, Akron, Mich.

"I have been a subscriber to The Feather for five years, and regard it as a first-class poultry journal. The little class ad I carry with you a few months each year, has sold all the stock and eggs I have to spare. Had to turn away many orders. Sold last spring twenty-seven Rocks to one party and forty to another."—R. J. Cadle.

"Please send me a discount card of advertisements. Am very much pleased with my ad I have had in The Feather."—John A. Witmer.

**Closing Out Entire Stock, Must Sell at Once 200**  
S. C. Brown Leghorns, pen each Black and Buff Cochins (Hare) Dark Brahmas, White and Black Wyandottes, Dorkings, Andalusians, six varietal ducks, bantams, etc. Send for list if you want exhibition stock at bargain prices. J. FRANKLIN HILLER, R. F. D. 3, Fort Plain, N. Y. 12-1

**All Breeds of Live Pure Bred Poultry, Pigeons, Pheasants, Turkeys, Rabbits, Belgian Hares, Cavies, Dogs, Cats and all pet stock.** A complete list in our large 162-page catalogue. EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. T, 26 and 28 Vesey St., New York City. 12-12

**Special 30-day Sale.—Standard-bred Poultry, Game and Ornamental Bantams.** Prices and quality right. Write your wants and send for special price list, also Turner's Bantam Book, fully illustrated; price, 25 cents. PLEASANT VIEW FARM, Horseheads, N. Y. 12-4

**Farrots, Smallest to Largest; Doves; Imported**  
Maltese Hen Pigeons; Runts, Archangels, Tumblers, Pearl-eyed Highflyer Tiegers, etc. SAILORS' DEPOT, 112 Cherry St., New York City. 12-4

**Selling Out Fine White, Brown and Buff Leghorns, and Rose- and Single-combed Orpingtons, \$1.25.** Duroc and Chester White pigs, \$5. SERENO WEEKS, DeGraff, Ohio. 12-5

**Columbian and White Wyandottes, Rose-combed Buff Leghorns and S. C. Buff Orpingtons; prize winners; stock for sale.** J. D. SUMNER, Kensington, Md. 12-4

**White Rock Cockerels, \$2 Up. 3 Orpington Pullets and cockerels, \$5; pair Columbian Wyandottes, \$3; B. C. Bantams, \$1.50 each.** H. W. GREGORY, Chapman Quarries, Pa. 12-4

**Turkeys—White Holland; Geese—Toulouse and White China; Ducks—Colored Muscovy, Rouen; Chickens—twenty-five varieties.** High quality, reasonable prices. W. C. BROEIN, R. 2, Spencerville, Ohio. 12-4

**Choice Homers and Fantails, All Colors, Bantams, Plain and Bearded Polish, Golden and Silver Sebright, Black and White Rose-combed, Buff, Black, White, and Partridge Cochins.** I. S. MILLER, Allentown, Pa. 12-5

**Single-combed White and Buff Leghorns, White Plymouth Rocks, and White Wyandottes.** Eggs, \$1 per 15. Satisfaction guaranteed. Address DELAWARE VALLEY POULTRY YARDS, Stockton, N. J. 12-5

**Cockerels for Sale.—R. C. Rhode Island Reds, White Wyandottes, White Leghorns, S. C. Rhode Island Reds, Black Minorcas, Mottled Anconas, Golden Polish, and W. C. B. Polish.** W. L. BUCHANAN, Baltimore, Fairfield Co., Ohio. 12-5

**Shady Lawn Poultry Farm.** Prize Winning Toulouse geese, Moscow ducks, Wyandottes, Rocks, Leghorns, Hamburgs, Langshans, White turkeys, and Guineas. Stamp for catalogue. B. F. KAHLER, Hughesville, Pa. 12-5

**Winter-egg Problem Solved.** Something That Will do the work, not merely claim to do it. Trap-nest plan and particulars for stamp. CHARLES STEWART, Bradford, Pa. 12-5

**Single-combed Black and White Minorcas, Buff and Barred Rocks, Single-combed Brown Leghorns, Golden-laced Wyandottes.** White-faced Black Spanish stock for sale. From \$1.50 to \$2.50. Satisfaction guaranteed. MR. JOE FIDLER, Westville, Pa. 12-5

**Buff Wonder, Rose and S. C. Buff Wonders; a distinct new breed.** Rose and S. C. Buff Leghorns stock for sale; 2-cent stamp for circular telling all about this new breed. J. B. SMITH, Westerville, Ohio, R. No. 3. 12-5

**Write to Common Sense Correspondence School of Poultry Culture, Baltimore, Md.** Beginners and others can not fail to succeed who pursue our course of instructions. 12-5

**Coots—These Beautiful Birds Can Be Bred in captivity.** Have a limited number at \$3 per pair. MEDFORD FARM, Nickerson, Kans. 12-5

**For Sale.—Cockerels from S. C. White and Brown Leghorns, Barred and White Rocks, and White Wyandottes.** STROUD & WALKER, Floris, Va. 12-5

**For Sale.—30 Varieties; Chickens, Turkeys, Geese, ducks, ferrets, 3 pedigreed fox terrier females.** Thousands of prizes won. Satisfaction guaranteed. SMILEY & SON, Milligan, Ind. 12-8

**Eggs for Hatching All Pure Breeds.** Light Brahmas, Dark Brahmas, Partridge Cochins, Buff Cochins, White Wyandottes, Barred Plymouth Rock, \$1; per 15. White Pekin Duck .75c and \$1. Satisfaction guaranteed. FRANK G. WEED, Hightstown, N. J. 12-5

**Pure Bred Poultry Stock and Eggs for Sale.** Golden Wyandottes, White Rocks, Black Minorcas, S. C. Buff and Brown Leghorns; Anconas, \$1.25 per 15; satisfaction guaranteed. WILL S. SHIFFER, Milton Grove, Lancaster County, Pa. 12-6

**Prize Winning Strains, Single Comb Buff Orpingtons, Black Minorcas, Silver Pencilled Wyandottes, Partridge Cochins Bantams, stock and eggs; also Fancy Homers.** J. H. HAHN, Littlestown, Pa. 12-6

**Closing Out Sale; 30 S. L. Wyandottes, 25 Pekin Ducks, Rose Combed White Leghorns, and White Rocks, \$1, \$2, each.** SUSIE KEATING, Council Bluffs, Iowa. 12-6

**Barred Rocks, Choice Matings; Eggs, \$1.50 per 13; \$6 per hundred.** S. C. Buff Orpingtons, fine stock, true to color, \$2 per 13; \$9 per hundred. S. C. White Leghorns, bred for size and laying qualities, \$1 per 15; \$4 per hundred. G. E. BES-SOM, Mansfield, Mass. 12-6

**Big Bargains in Thoroughbred Stock.** Cockerels and pullets. Black Minorcas, Columbian and Partridge Wyandottes, Rhode Island Reds. Satisfaction guaranteed. GEO. W. DELL, Carson City, Mich. 12-6

**Black, White and Partridge Pekins, Golden and Silver Sebrights, Red Pyle Game Bantams, R. C. Brown Leghorns and Buff Orpingtons, stock and eggs.** J. SHERIDAN WELLS, Greenport, N. J. 13-3

**Barred, Buff and White Plymouth Rocks, White Wyandottes, White Minorcas, White Leghorns and Mammoth Pekin Ducks.** \$3 each; \$7.50 for trio. Eggs, \$2 for 15; \$5 for 45. Duck eggs, \$1.50 for 11; \$5 for 44. Catalogue free. EDWARD G. NOONAN, Prop., East Donegal Poultry Yards, Marietta, Lancaster County, Pa. 12-6

**For Sale—Shetland Ponies, Ferrets, Poultry, Pigeons, Pheasants, Rabbits, Guinea Pigs, Goats, Cats, Dogs; 2-cent stamp for circulars.** COL. JOSEPH LEFFEL, Springfield, Ohio. 12-6

**For Sale—Hens, Pullets and Cockerels.** Fishel's White Plymouth Rocks, Buff and Barred, Buff Orpingtons, Black Minorcas, Langshans, White Holland Turkeys, Cornish Indian Games and Runner Ducks, S. C. Brown Leghorns. Incubator eggs, specialty, from pure bred stock. For "bargain counter" prices, address M. H. WINEBRENER, Walkersville, Md. 12-4

**Toulouse Geese, America's Best Imported Stock.** Birds, \$4 each; Silver Spangled Hamburgs, \$1; Barred Rocks, \$1 Cornish Indian Games, \$1; eggs in season. Write your wants. ROSEVALL POULTRY FARM, Platte Centre, Neb. 12-6

**Choice, Pure-bred Poultry—Buff Cochins, White and Golden Wyandottes, Barred and Buff Rocks, S. C. Black and White Minorcas, S. C. Buff and Brown Leghorns, S. S. Hamburgs; also Mammoth Bronze Turkeys.** Eggs and stock for sale reasonable. Eggs, \$1 per 15. Turkey eggs, 25c each. JOHN W. NEWCOMBE, R. F. D. No. 3, Mt. Joy, Pa. 12-9

**Looking for Something Good in Light Brahmas, White Wyandottes, Single Comb White Leghorns, Buff and White Rocks? Have them in numbers.** WOODSIDE FARM, Benson, Md. 13-3



**Lee Quality** is a big thing with us, and an important thing for you. It guarantees the best. It has long since placed Lee's Poultry Supplies at the top and is especially noticeable in

## "Mandy Lee"

### Incubators and Brooders

Made by skilled labor, of best material, walls and top packed so they will *always* retain heat and exclude cold, and with distinctive, *patented, indispensable* features, they represent the acme of perfection in machines of this kind.

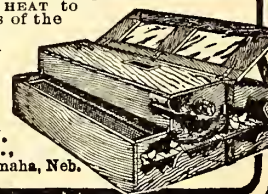
You take no chances when you buy the "Mandy Lee"—an incubator in which every element of doubt and uncertainty is removed; one in which you can always make FAVORABLE hatching conditions.

A Brooder which provides DIRECT CONTACT HEAT to the backs of the chicks.

Natural heat in a natural way.

Send for catalog to

GEO. H. LEF CO., Dept. 17, Omaha, Neb.







## ROCK HILL POULTRY FARM

OUR WHITE AND SILVER PENCILED PLYMOUTH ROCKS, PLYMOUTH ROCKS, WHITE WYANDOTTES, WHITE LEG-HORNS AND BUFF COCHIN BANTAMS WON WORLD-WIDE REPUTATION AT HAGERSTOWN SYRACUSE AND MADISON SQUARE GARDEN

## BLUE RIBBON YOUNG STOCK

Over 3000 young birds are now growing on our farm, many of these will be ready for the fall shows. These youngsters were all hatched from our own matings, every mating headed by a prize winning male and all have free range. Where can you find more promising young stock?

F. W. COREY, Manager,

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OSSINING, N. Y.

# DID YOU READ

Our Last Month's Advertisement  
About the New Improvement in the

## 1907 Prairie State Incubator

It will also pay you to read every word of this advertisement if you have had experience in hatching and rearing chicks.



### Testing the Hen that Stole her Nest

If you are a new beginner in this work, you will save yourself a lot of disappointment, loss of time and money if you follow the lesson it teaches.

We are satisfied we have made one of the greatest steps forward in artificial incubation the past year that has ever been accomplished, that is the hatching of chicks so near like those hatched under the old hen that an expert can not tell the difference.

At some of the recent shows, we were accused of exhibiting chicks that were hatched several days before the show began because they were so unusual in size, activity, vigor, etc.

But that is the result of our past season's investigations. Here is how we accomplished this important improvement:

First, we determine to find out just how Mrs. Hen succeeded in bringing off livelier, healthier, stronger, larger chicks than could be hatched in an incubator. To do this right and to let nature have full sway, we waited until the Hen "stole" her nest, as her natural instinct has much influence.

We then started in to get at the actual conditions from time to time as they really exist in the hen's nest, and by the aid of a very sensitive and accurate hygrometer we made notations of the heat, humidity, ventilation, etc., making a very accurate record of same.

We tested in like manner the hen set in a tight nest, thoroughly dry; also a hen in a ventilated nest, so that air circulated freely around and about the eggs and obtained some more valuable points.

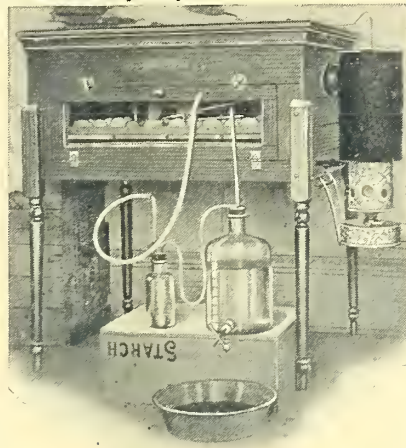
The next step was to reconstruct our egg chamber in the Prairie State so that it would give us the same relative conditions as we obtained from the natural hen and to prove our efforts, we subjected the machine to the same hygrometer tests. We conducted in all in our special experiment works over 60 rigid tests last year.

Our success with our 1907 machine was truly gratifying and we attribute it solely to our adherence so closely to nature.

We wanted nothing in the way of results that could not be obtained in the hands of our customers, either inexperienced or experienced in operating incubators.

We were not confined to testing our own machines—we test every standard make known for comparison and when we say the 1907 Prairie State Machine is the survival of the fittest we have practical reason why.

We have this year a machine that will bring off the highest percentage of chicks and bring off bigger, better, stronger chicks than any machine made. Chicks just like the old hen brings off. Chicks that are strong, full of nutritious blood, free from anaemia so common with incubator hatched chicks. Chicks that look three or four days old when they pop out of the shell. Chicks that have activity and strength to get out of the shell quickly.



### Applying Same Test to 1907 Prairie State

Send for our New Catalog with full detailed description of our 1907 machine. You'll make a mistake if you buy a machine before investigating the 1907 Prairie State. Ask for our new Brooder Catalog—it will interest you.

THE PRAIRIE STATE INCUBATOR CO.,

481 Main St., Homer City, Pa.

## Darling's Laying Food.

Your trouble is to get eggs at right time. One dozen now is worth three dozen in June. Feeding is everything. We've solved the problem in our egg producing mash.

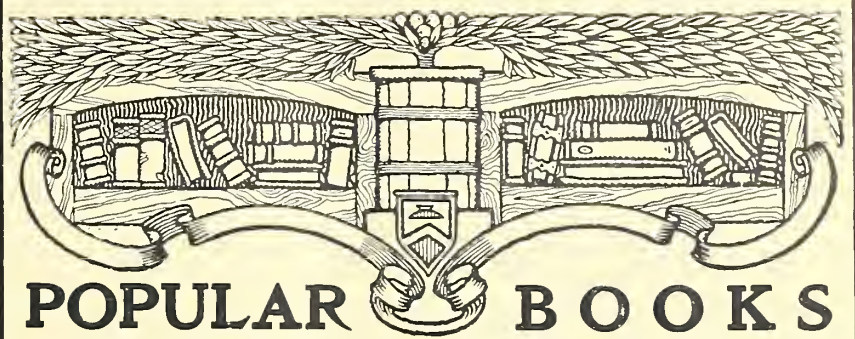
### MAKES EGGS COME.

Scientifically prepared to accomplish the one result, most eggs at least cost in cold weather. It does the work. Price, \$2.00 per 100 pound bag, f. o. b. Chicago or New York, cash with order. Also the following Darling Standard Foods in 100 pound bags on same terms: Scratching Food \$2.00, Forcing Food \$2.00, Chick Feed \$2.50, Mica Crystal Grit 6c, Oyster Shells 6c. Also Beef Scraps, Beef Meal and Bone products. In short, a complete line of Poultry Foods and Supplies. Get our 1907 Poultry Supply Catalog. Mailed free. Address nearest office.

Box 55, Long Island City, New York.

DARLING & COMPANY,

Box 55, Union Stock Yards Chicago.



## POPULAR BOOKS

FOR

## Poultrymen and Pigeon Fanciers

### The Diseases of Poultry

THE Diseases of Poultry," by D. E. Salmon, D. V. M., is the only standard and reliable work published on this important subject, and all who breed fowls, whether for pleasure or profit, should have a copy of it. This great book has twelve complete chapters treating of all known diseases which affect poultry, as follows: Introduction, Diseases of the Organs of Respiration, Diseases of the Organs of Digestion, Diseases of the Peritoneum, Liver, and Spleen, etc.

Prices: Paper, 50 cents; Cloth, \$1.00.

### Pocket Money Poultry

ANOTHER book of The Feather's Series is Myra V. Norys's latest production "Pocket-money Poultry," which has the following interesting chapters: How Much Capital? Choosing a Line of Work, The Breed That Wins, Artificial and Natural Incubation, Satisfactory Coops and Brooders, Mothering Chicks, The First Season with Fancy Poultry, Confinement or Freedom, The First Poultry House, Feeding for Eggs, The Embryo Chick at Testing Time, Etc.

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Prices: Paper, 50 cents; Cloth, \$1.00.

### The American Fancier's Poultry Book

THE American Fancier's Poultry Book" is one of the best books of its kind ever published. This great book contains illustrated chapters on The Poultry Industry, General Management, The Egg, Incubation, The Chick, Recipes for Feeding, Feeding for Eggs, House Building, Keeping Eggs, Caponizing, Diseases, The Standard Breeds of Poultry, The American Class, Asiatic Class, Mediterranean Class, etc.

Prices: Paper, 50 cents; Cloth, \$1.00.

### Money In Squabs

THE most interesting and the only practical book published on raising squabs for market is the book entitled "Money in Squabs," and contains the following: Introductory, Breeding Stock, Distinguishing Sex, Food and Feeding, Water, Salt, Nesting Material, Manure, Breeding and Management, Dressing Squabs for Market, Shipping and Selling, Diseases of Pigeons, etc. This book is profusely illustrated.

Prices: Paper, 50 cents; Cloth, \$1.00.

### Wyandottes

THIS valuable volume was written by T. F. McGrew. It contains ten colored plates of the several varieties of Wyandottes, and other illustrations in black and white. It is for the benefit of breeders of Wyandottes that this book is issued, and it should prove of considerable value to all interested in these fowls.

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Prices: Paper, 50 cents; Cloth, \$1.00.

### The Homing Pigeon

THE demand for a perfectly reliable and practical book on the "feathered race horse" has prompted the publication of the new book, "The Homing Pigeon." It is a complete book in every way and treats thoroughly the history of the Homing Pigeon, breeding, training, and flying, as well as the many handy and business uses for which these birds may be used.

Prices: Paper, 25 cents; Cloth, 50 cents.

### Plymouth Rocks

PLYMOUTH Rocks," by T. F. McGrew, contains six colored plates of the three varieties of Plymouth Rocks; and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them.

Prices: Paper, 50 cents; Cloth, \$1.00.

## The Howard Publishing Company

714 Twelfth Street N. W., Washington, D. C.



## EDWARD S. SCHMID,

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Fancy Fowls, Birds, Pet Animals, Poultry Supplies.

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The Prairie State Incubators and Brooders. Bone Grinding Machines, etc. Send for my Illustrated Catalogue.

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# "RINGLETS" Soar Still Higher.

At the Imperial Show of the Nation—Madison Square Garden, N. Y.

## E. B. THOMPSON'S BARRED PLYMOUTH ROCKS

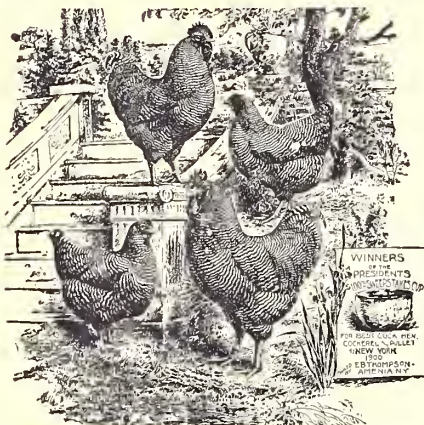
Stamped their superiority in the Most Decisive Manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen, and pullet. This is the third time the "Ringlets" have won this Grandest of all Prizes, giving them now absolute and final ship. And in this "Colossal Conflict" the "Ringlets" lifted the Great National Sweepstakes Cup, presented by the American Plymouth Rock Club for best cock, cockerel, hen, and pullet. My Barred Rocks won Double the Number Silver Cups and Special Prizes of any competitor, including the "Sweepstakes" Special in Gold for Best Plymouth Rock on exhibition, Male or Female, any variety. The "Ringlet" World's Record of Four Years in Succession at New York is a page of history. The "Ringlet" Record of first on exhibition-pen at this Great Show, three years in succession, is the undisputed Champion. My Clean Sweep of

### 1st, 2d, 3d, 4th, and 5th Prizes

On Pullets has never been approached at Madison Square Garden and stands alone and unequalled. The "Ringlets" have won at New York (Exhibited by me personally) a grand total of 101 prizes—48 of these are 1st and Specials being more than double the number 1st and special prizes won by any competitor in the history of the show. SHOW BIRDS fit to win in any competition. Elegant Breeders for sale in any numbers. 600 GRAND BREEDING COCKERELS. New Richly Illustrated 36-page Catalogue on application. It is full of original illustrations of New York Winners from life.

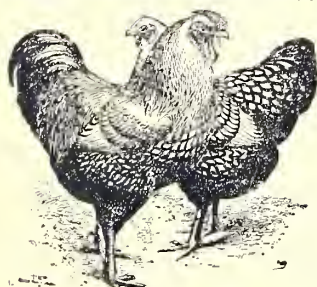
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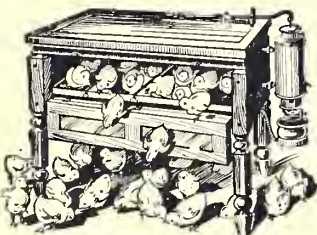


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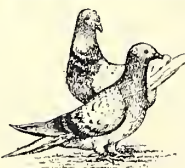
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Vol. XII No. 5  
February, 1907



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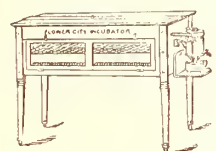
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6. Appendix—Documents relating to the presence of the French troops in Maryland and at Annapolis during the war of the American Independence.

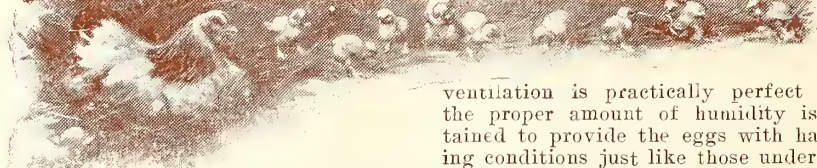
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## "WHAT THE HEN THAT 'STOLE' HER NEST TAUGHT US"



We certainly created a lot of favorable comment in poultry circles last month with the announcement of the new improvement in the 1907 Prairie State Incubator.

The unique, yet thoroughly common-sense methods we pursued in our investigations for the purpose of improving this year's machine over its already successful record as a hatcher appealed to the poultry public with particular force.

We are satisfied that those who saw our machine in operation at the New York and Chicago shows were thoroughly convinced that the Prairie State is the "nearest to nature" hatcher yet devised, and the chicks that were hatched during these two big shows are the best evidence that could be offered.

Did you see 'em?

Didn't they look just like chicks taken from the "old hen"?

That's all because of the ideal conditions—the natural, hen-like conditions—under which they were hatched.

No wonder we were accused of showing chicks hatched by hens. Even the down on the chicks hatched in this year's machine is just like that on hen-hatched chicks—long, fluffy and thick. The chicks are larger, stronger, livelier, more active and full of healthy, nutritious blood.

### Stops the Ten Day Death Loss.

That anemic (consumptive) condition so common with the usual incubator-hatched chicks and which takes off such large percentages during the first ten days is entirely overcome in the 1907 Prairie State.

This is a point we want you to remember—it means many dollars to you, for what gain is there to be had where the loss just after hatching is so great?

In the Prairie State this has been overcome by re-constructing the egg chamber so as to obtain "natural" conditions. Heat is supplied just right,

ventilation is practically perfect and the proper amount of humidity is retained to provide the eggs with hatching conditions just like those under the hen.

These are things the old hen taught us. We have been manufacturing incubators and brooders for 26 years and we freely admit that we have made greater advancement in solving the problems of artificial incubation the past year than ever before.

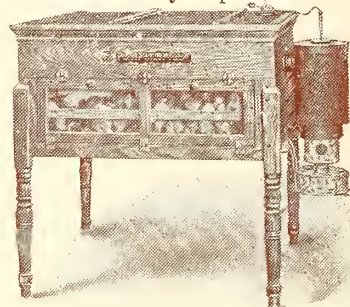
We have retained all the good qualities of last year's machine, and by adding the "greatest step" of this year we have a machine which not only possesses the highest hatching powers of any made today, but in addition a machine that brings off chicks stronger, bigger, full of healthy blood—just like hen-hatched chicks—than any other on the market.

### New Hampshire College

November 12, 1906.

Gentlemen:—The Prairie State Incubator Co., Homer City, Pa. at this Experiment Station during the past season has given good satisfaction. The machine was easily kept at a uniform temperature and hatched out good strong chicks. Yours very truly,  
E. L. Shaw, Assoc. Agriculturist.

Now why trust to luck in buying an incubator? Why not buy the machine that has proven itself the "nearest-to-nature" hatcher yet put out?



Just send for our 1907 catalogue—it shows the detail construction of this great improvement, illustrates completely our tests of hens and incubators and will interest you more than any incubator catalogue you ever read. It's free also—our New Brooder catalogue.

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ROYAL BLUE STRAIN

## PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, Silver White and Buff.

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others.

My matings this season are the best I ever owned.

At New York, in the largest show of Barred Rocks ever seen, 451 Birds, I won 1st, 2d, 3d and 4th Cockerels; 1st, 2d and 3d Pullets; 1st and 3d Cocks; 1st and 2d Hens; 1st and 2d Breeding Pens. My other varieties are of the same high quality. Hundreds of choice exhibition and breeding birds at honest prices. EGGS from Prize Matings: One setting, \$5.00; two settings, \$8.00; three settings, \$10.00; five settings, \$15.00. \$20.00 per 100. Catalog of America's finest Plymouth Rocks and Wyandottes free.

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Winners at New York, from Life.



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for being a poor layer unless you know it's her fault. Often the food is wrong. Grains contain only a part of the egg-making materials,

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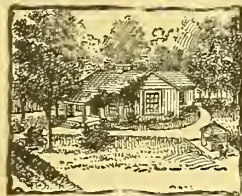
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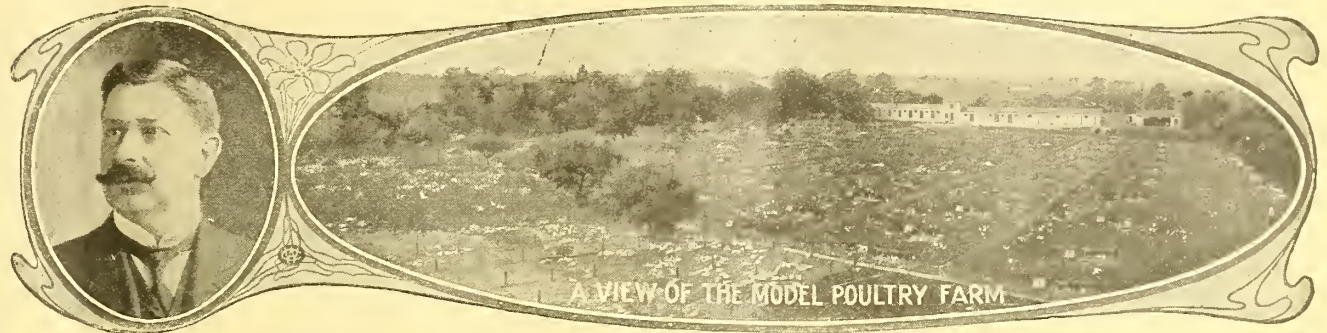
ever, and will continue to be "THE BEST IN THE WORLD."

It is gratifying, I assure you, to see how breeders everywhere appreciate my Special Sales. The Birds listed this year are going fast, and it seems to me if you want poultry for pleasure or profit you should have a copy of my Special Sale List.

are fowls that suit everybody. If you want business birds I have them in any size flock you desire. If you want to win those coveted Prizes at your County or State Fair I can furnish you birds that will do the trick nicely. The birds I am offering

are hargains never equaled by any breeder. Send for my Special List. It is FREE. If you care to see my 48-Page Catalogue, send three two-cent stamps please. This Catalogue is worth dollars to any one interested in Poultry. I am pleased to say the U. R. Fishel White Plymouth Rocks are better this season than

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A VIEW OF THE MODEL POULTRY FARM

# MODEL INCUBATORS AND BROODERS

## Chas. A. Cyphers and a Message

February is here! The sun is beginning to burn a hole through the clouds that have persistently hung over us for two months, and progressive poultrymen are beginning to burn a hole in their spring work.

The layers are getting busy. These are the May and June-hatched pullets that helped to fill our laying pens—helped to progress that would have been impossible without them. But where is the poultryman who, as he watched his late pullets maturing in December, did not wish that he had hatched earlier last spring so that from his September and October-matured pullets he could have marketed eggs at the long prices that ruled all fall and early winter?

The tendency this year is to get to work early and secure more early birds than heretofore. Poultrymen met at the shows express general satisfaction with last year's work, but every progressive poultryman tries to button the work up a little tighter each year; to get the work done on a little better time schedule. All over your plant signs are saying, Get to work: summer will be here before you realize it. A month lost can't be recalled. Get busy!

And the greatest thing is to have the right equipment and enough of it! The most successful of you already have the Models. Decide on the additional number you will use this year and get your order in promptly. I can ship the day after your order is received.

If you have not had the success you should have had; if you cannot count profits proportionately as great as those of the Lakewood Farm—Crystal Springs Farm—Valle Crusis Farm—Blue Mountain Farm—don't be discouraged. We all make mistakes. If you are handicapped with a low-grade equipment that, no matter how hard you work, makes progress impossible, throw it aside. Charge up the cost to experience. Start the new season right with the Model equipment made by the man who knows what is necessary to hatch and rear chickens; and who, on the big Model Farm this summer, has hatched and reared more chickens than were ever before turned out in a full season, anywhere, at any time, by any one.

On the Model Farm we are sure of our equipment. The Model Incubators and Brooders will meet every demand we can make on them. We have over twenty thousand birds now,—many going to market,—more coming on every day. We are preparing to get out a lot in February and more in March and April that, together, will give us thirty thousand early pullets next fall. We want to reap the benefit of fall's long prices on eggs.

Send for the Model catalogue. Let us tell you why the Model Incubators hatch more and stronger chicks than any other machine.

### BLUE MOUNTAIN POULTRY FARM

Chas. A. Cyphers, Buffalo, N. Y.

Stroudsburg, Pa., January 5, 1907.

Dear Sir:—I have been using your machines since 1896, and I still have one of the first machines you put on the market. It is in constant use, and still does good work. I am now using 47 Models, and they are the easiest to run and to clean up, after a hatch, of any I have tried. I hatched 43,000 ducks in them last season, hatching an average of 71 per cent. of the fertile eggs. Our last hatch was 279 ducks out of one machine. Wishing you a very prosperous New Year, I am,

Yours respectfully, Wm. H. Truslow.



Also send two dimes for a copy of my book, "Eggs, Broilers and Roasters." It gives the cost of production in all branches of the poultry business. It gives the market quotation week by week averaged for three years. It shows when a chick hatched any week in the year could be marketed as a broiler or as a roasting chicken, and the profit it would make. It also tells of the profits of egg production and how best to secure them. Write me today.

**CHAS. A. CYPHERS,**

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 Hen Feed, Mash Egg Feed, Ever Green Clover Meal, and Pigeon Feed  
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Reference—Any Bank or Trust Company in Trenton, N. J.

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This reorganization is to procure additional capital to meet the growing demands of the business.

The business is strictly cash—hence no bad debts and slow collections.

Estimated profits based on present business, 7 per cent. on the Preferred and 6 per cent. on the Common.

Send your subscription to stock by certified check or money order. Stock will be allotted January 2 d. at 3 p. m., after which allotment will close. Company reserves the right in case of over-subscription, to allot a less amount than subscribed for.

Address, FRANKLIN G. SPIKER, Secretary, Forst-Richey Building, No. 3 East State Street, Trenton, N. J.

## TRENTON INCUBATOR COMPANY, Trenton, N. J.

(Successors to the PERPETUAL HEN COMPANY)

Manufacturers of the "NATURAL" INCUBATORS AND BROODERS

The best machine made because nearest to nature. Made of paper, best non-conductor of heat and cold. Lighter than wood, fully as strong, and more durable. Will not shrink or warp, no seams to open. Not subject to climatic changes, tous of fresh air.

Prices cheapest, consistent with excellence of product. Machines are result of twenty-five years' practical experience. Write for catalogue and prices.

Address, ROBERT N. OLIPHANT, General Manager, 17 Escher Street, Trenton, N. J.

The "Natural" will produce the strongest, healthiest and most vigorous chicks possible from artificial incubation.

The "Natural" Brooder, constructed on the same principles, will raise the chicks. No fumes or gases in hover-room and air conditions are right. Hover is so constructed that crowding is impossible.

Give me Darling's Chick Feed and I can raise 95 per cent of all the little chicks I can hatch. I have proved this.

**JAMES GAGE,**  
Elgin, Texas.

## What % of Chicks Hatched Do You Raise

It is no trouble to hatch chicks. All the trouble lies in the raising. To see them dying by scores and hundreds is the distressing feature of the poultry business.

They die of bowel trouble, of sleepy disease and other causes. But as a matter of fact, the cause of these complaints, and the real cause of the enormous death rate, is improper feeding.

No question about it—90% of all the deaths among little chicks is due to improper feeding.

The real need among poultrymen is for right ideas as to what the weak, unused stomachs of little chicks will stand, and what must go into them to save their lives.

## DARLING'S CHICK FEED

Gives Poultry Raisers a Feed That is Adapted to Little Chicks' Needs.

It is a scientifically balanced food, composed only of selected seeds and grains, only those that are adapted to the chick's needs being used. They are properly screened and cleaned and reduced to the proper size.

You want a feed that the chicks can digest. There is no trouble about their digesting and assimilating Darling's Chick Feed.

When you buy Darling's Chick Feed you are not getting the sweepings or waste from some mill. We are not in the milling business and we are not making breakfast foods. It is not a by-product from any manufactured article, but prepared specially and solely for feeding little chicks.

It procures a rapid growth, gives a good, strong framework, and makes larger and better market fowls and laying hens.

It starts chicks right and insures uninterrupted growth, good health and earliest maturity.

Your order is solicited on a trial shipment. With the results it gives, you will find it the cheapest chick food you can buy.

Price \$2.50 per 100-lb. Bag, F. O. B. Cars, Chicago or New York. Cash with order.

## DARLING'S 100-LB. BAG LINE

Chick Feed, \$2.50; Laying Food, \$2.00; Scratching Food, \$2.00; Beef Scraps, \$2.50; Forcing Food, \$2.00; Oyster Shells, 60c; Mica Crystal Grit, 65c.

Shipments made from Chicago or New York. Prices f. o. b. cars. Cash with order.

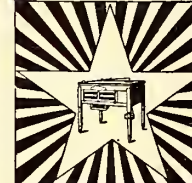
Our catalog gives particulars on feeds and feeding and lists a full line of up-to-date supplies. Write for copy.

Darling & Company, Box 55, Long Island City, New York., Box 55, Union Stock Yards, Chicago.

A GOOD INVESTMENT  
 ADVERTISE IN THE FEATHER

## HATCH WITH A STAR

And be certain of success. Heat, ventilation and moisture, the three great essentials to incubation, are the strong points in the **Star Incubator**. Its patented features to control these elements put it away ahead of all others and insure **STAR** HATCHES. Catalog explains how chick drawer—contained in no other—works. Read it and you'll see why the **Star** outshines others. **STAR INCUBATOR CO.,** 608 Church Street, Bound Brook, N. J.



2 hatches free and 5 years guarantee these are our terms for the Gem. They are not cheap machines, made simply to sell and that no one ever heard of before. They are scientifically built, high per cent hatches with a splendid record. Thousands of satisfied users enthusiastically recommend them. The

### GEM INCUBATOR

proves its merits by actual results. As an A No. 1 hatcher it stands right in the front rank. For convenience and ease of operation it's way ahead of all others.

It's especially the women's favorite because the **Removable Chick Tray and Nursery** make it so easy to keep clean. Write today for our free catalog. It explains our plan of selling direct to you at **Factory Prices** cutting out all dealers profits. It tells how successful others have been and how you can make the most money with your Poultry.

**GEM INCUBATOR CO.,**  
 Box 431, Trotwood, Ohio.

## WHERE THE PROFIT GOES

If your hens are lousy they may pay for their keep, but the chances are the profit goes to the louse. Lambert's Death to Lice Powder will change it. Sprinkle it on from the shaker top can. A few applications will suffice. Then spray the roosts with Lambert's Death to Lice Liquid. You will see the effect in three minutes. Poultry won't pay unless kept clean and free of vermin. Alexandria, Ind., April 7, 1905.

Dear Sir:—I find your remedies the best I ever used and could not raise chickens without them.

Mrs. A. D. SHIPP.  
 Begin today. Order a sample lot and you will thank us for showing you. 100 oz. package for \$1.00; sample mailed postpaid 10c. Sold by all live dealers.

**THE O. K. STOCK FOOD CO.,**  
 621 Monon Bldg., Chicago, Ill.



## IDEAL INCUBATORS

### and IDEAL BROODERS

SPECIAL PRICES ON 1907 PATTERN  
CONTINUED THROUGH FEBRUARY.

#### Incubators:

240 Egg Ideal, No. 3  
price \$18.00 now.....\$11.75  
120 Egg Ideal No. 2  
price \$14.00 now.....\$ 9.00  
60 Egg Ideal No. 1  
price \$9.50 now.....\$ 7.50

#### Brooders:

200 Chick Ideal Outdoor No. 3  
price \$12.50 now.....\$10.00  
200 Chick Ideal Indoor No. 2  
price \$10.50 now.....\$ 8.00  
100 Chick Ideal Indoor No. 1  
price \$8.00 now.....\$ 6.00  
100 Chick Ideal Outdoor No. 5  
price \$8.00 now.....\$ 6.00

#### Poultry Houses:

Ideal Portable, price \$18.00 now.....\$16.00  
Still greater saving if Incubator and  
Brooder are bought at the same time.  
Write us for Combination Prices.

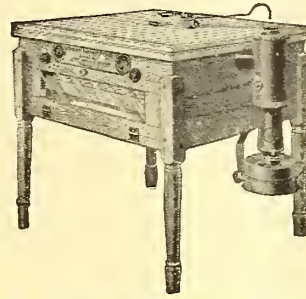
The success of our Mid-Winter Reduction Sale of Ideal Incubators and Brooders has been unparalleled and unexpected. Our factory instead of running half-time as most incubator factories do at this time of the year, has been working full capacity to supply the demand for Ideals by hundreds who took advantage of our money saving prices.

We know that there are still many who want to avail themselves of an opportunity to buy Ideal quality Incubators and Brooders at these profit-cutting figures. To accommodate them, we are continuing these prices through the month of February. These are all new stock 1907 machines. We had no left-over machines to dispose of even if we wished to. There were times last season when we were over 500 machines behind our orders. We hope through our increased manufacturing facilities to do better this year but the way to make sure is to order now and save money besides.

#### Complete Line of Poultry Supplies

We manufacture and sell everything for poultry raising. Special Poultry Rations; Poultry Remedies; Lice Killers; Brood Cakes; Bone Cutters; Drinking Fountains; etc. Let us quote you prices on what you need. "Poultry For Profit," our 1907 catalog just from the press. 128 pages, handsomely illustrated. Correct illustrations and descriptions of all leading varieties of fowls. Full descriptions of our entire line of Incubators, Brooders and Supplies. A veritable text-book on poultry raising. Send for it today. It is free.

THE J. W. MILLER COMPANY, Box 374, Freeport, Ill.



GINSENG Will clear you over \$200  
grown. Seed cheap. per square rod. Easily  
12-7 Book "D" free. T. J. STOUT, EDINBURG, IND.



#### Pekin Ducks—Rankin Strain

Mammoth size, healthy, unsurpassed layers, free range Eggs, \$1 per 11. Correspondence solicited. Stamp for descriptive circular.

L. HARRIS GREWE,  
12-5 Still Pond, Maryland.



#### YOUNG CHICKS

just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leg- Wyandottes, and R. I. Reds, at \$3c to 15c each. Distance no objection. Twelve years experience in shipping chicks. Fine Tree Hatchery. Send for circulars and get your order in early.

JOS. D. WILSON, Stockton, N. J.  
12-11

## World's Record for Eighteen Years WIN

### Bradley Bros.' Barred Plymouth Rocks

At Madison Square Garden, New York, the Last Eighteen Years

BIRDS WE BRED AND  
RAISED HAVE WON

33 1/3% More first prizes total than any other exhibitor has won on any stock.  
25% More first prizes on pens than any other exhibitor has won on any stock.  
1 1/2% More first prizes on cockerels than any other exhibitor has won on any stock.  
1 3/4% More first prizes on males than any other exhibitor has won on males not our breeding.

#### Our Lee Belles Are New York Winners

Among the many New York Show winners of this line worthy of especial mention are first and second pullets, 1901; first, second, and third, pullets, 1902; first pen pullets, 1900, 1902, 1904, etc.; first hen, 1901, first and second hens, 1907. (We state this by permission).

### 1,000 BIRDS FOR SALE

Winners and Birds bred from Winners  
SPECIAL PRICES ON LARGE LOTS

Forty-eight Winning Males at New York Shows have been bred by us the last eighteen years.

We bred and raised more high-grade exhibition B. P. Rocks the past eighteen years, probably, than any other breeder in the world.

The last eight years 39 birds bred by us have sold for \$100 or more each, or that price refused.

#### BRADLEY BROS.

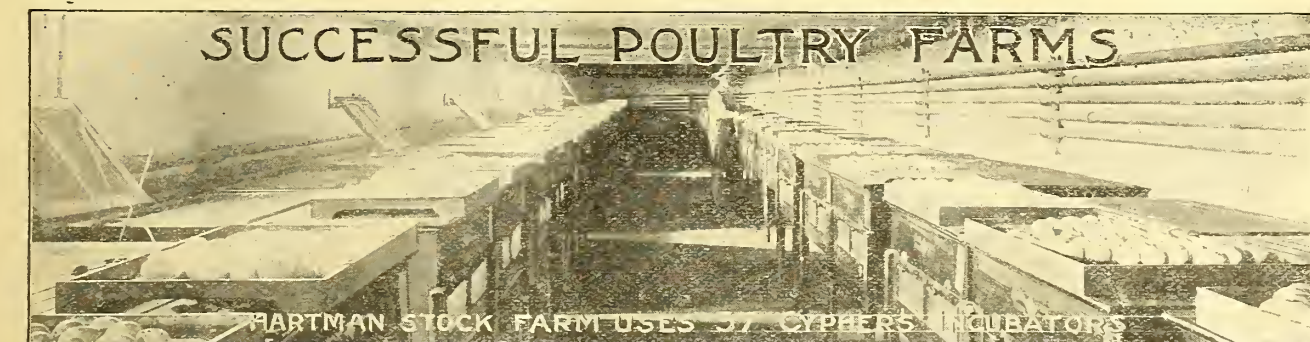
Dear Sirs: Have won first on pullet at Georgetown, Ohio. Have also won on pullets sired by the bird I bought of you all the prizes offered at four other shows in Kentucky and Ohio this fall. Pullet bred cockerels from the bird I bought of you are the nicest lot I ever saw.—Geo. B. Kinney, Brooksville, Ky.  
October, 1906.

#### BRADLEY BROS.

Dear Sirs: It may interest you to know what results I am having with stock and eggs you have sent me. At the Ohio State Fair at Columbus, I won cock 1st, cockerels 1st and 2d. The cock was hatched from eggs from "S 4." and the cockerels from trio you sent me. Did not show any females.—Leigh Bickett, Xema, Ohio.  
October, 1906.

Write for Large Circular and Particulars of \$1,000 Chick Hatched from Our Eggs. Both Sent Free.

BRADLEY BROS. Box 900 Lee, Mass.



## SUCCESSFUL POULTRY FARMS

### POULTRYMEN OF EXPERIENCE

Managers and Owners of the Largest Successful Money-Making Plants Use and Recommend

### CYPHERS (Latest-Pattern) INCUBATORS

Because their business depends upon it, they must Regularly obtain the largest, strongest hatches. Small hatches or weak chicks or ducklings mean Loss. Regulators that cannot be trusted to regulate; thermometers that fail to register correctly; lamps that flicker and smoke; direct ventilation that dissipates the "moisture content" of the eggs—all these cause worry, loss of time—Loss of money.

#### Largest Plant West of New York State.

COLUMBUS, OHIO, September 10, 1906.

CYPHERS INCUBATOR CO., Buffalo, N. Y.

Our hatches this season were better than ever, and my feeling towards Cyphers Incubators grows warmer and stronger each season. Have personally operated Cyphers Incubators in large numbers during the last six years and can cheerfully recommend them as being superior to all others I have tried. We are now using fifty-seven (57) of your largest-sized incubators. You are authorized to say that we recommend your make of incubators to be the best on the market.

HARTMAN STOCK FARM, H. B. HARK, Mgr.

#### Used Them for Eight Years.

OSSENING, N. Y., September 5, 1906.

CYPHERS INCUBATOR CO., Buffalo, N. Y.

I have been using your incubators and brooders, as well as your supplies, for the past eight years, and I have always been well satisfied. After carefully comparing your machines with others I have used, I do not hesitate to say that I consider the Cyphers Incubator Company's latest types of incubators and brooders the best in existence. Another matter of importance: I have invariably found the officers and employees of this company painstaking and obliging, and I therefore heartily recommend them to all poultrymen.

ROCK HILL POULTRY FARM, F. W. COREY, Mgr.

Write for Free Illustrated Catalog of 260 pages, entitled "How to Make Money with Poultry and Incubators." It's a big one. We pay postage. It contains six of the most valuable chapters ever published on Poultry, Chap. I.—Magnitude of the Poultry and Eggs Industry, Chap. II.—Review of our Great Poultry Markets, Chap. III.—Profit-Making Broilers, Roasters and Capons, Chap. IV.—The Profitable Pekin Market Duck, Chap. V.—Successful Chick Rearing, Chap. VI.—Profitable Egg Farming. Also photographs of Successful Poultry Plants, both Fancy and Commercial; Photographs of Government Experiment Station Experts; America's Foremost Exhibitors, Owners and Managers, their Poultry and Duck Houses, Incubator Cellars and Brooding Houses; Our Complete Line of Incubators, Brooders, Poultry Houses and Supplies. If in return for this book, you send us the names and addresses of two acquaintances who keep poultry, we will consider it a favor. Address nearest office

CYPHERS INCUBATOR COMPANY, Factory and Home Offices, BUFFALO, NEW YORK

Branch Stores and Warehouses: 23 Barclay St., New York, N. Y.; 24-30 Union St., Boston, Mass.; 310 Fifth Ave., Chicago, Ill.; 2323 Broadway Kansas City, Mo.; 701-711 Linden St., Oakland, Cal., and 119 Finsbury Pavement, London, Eng.



### GREIDER'S SUPERB CATALOGUE

of high bred Poultry for 1907 is larger and better than ever. Printed in beautiful colors, with 10 striking Natural Color Plates of leading breeds. Illustrates and describes Sixty Varieties of Poultry, Pigeons, Ducks and Geese.

Tells all about practical poultry houses and equipment, how to build them, how to cure diseases, make hens lay and yield good profits. Gives information of decided value to every poultry keeper; Best Lice Destroyer, necessary poultry supplies and prices of breeding stock and eggs which are within reach of all. Book worth far more, but sent postpaid for only 10 cents. Send for it to-day.

B. H. REIDER, Rheems, Pa.

### Riverdale Poultry Yards

14 years a breeder of

B. P. ROCKS.

White Wyandottes

S. C. W. Leghorns

No man's fowls are better than mine. 15

Eggs, \$1.50,

from Stock which gets better each year. Let me book your order.

J. R. RISDON,  
Riverdale, Md.

Eastern Agent for M. M. Johnson's "Old Trusty" Incubators. We handle a small line of Poultry Necessities. Send for catalogue.



### POULTRY SUPPLIES

#### DO YOU WANT EGGS?

Banner Egg Food and Tonic will start the hens laying and keep them at it all winter when you can get from 50c to 60c a dozen for fresh eggs.

One teaspoonful in the soft feed to a dozen hens does the work. You can't get along without it if you would succeed.

Thousands of successful poultrymen will tell you the same thing. Prices 25c per lb; by mail 16c extra. 5 lbs. \$1.00; expressage extra.

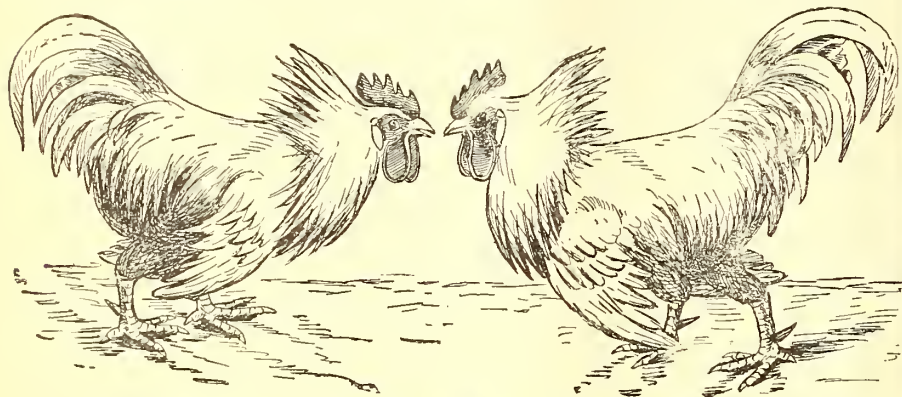
An Egg Record, good for one year, free with each box, or we will send you one by return mail if you want it. EXCELSIOR WIRE AND POULTRY SUPPLY CO., Dept. T  
28 Vesey St., New York City.



## Greystones, Black Minorcas, and White Plymouth Rocks

Made a sweeping win at Madison Square Garden 1905, winning 8 out of a possible 10 first prizes; at Boston, 1906, ahead of all competitors, winning the display special on both varieties; at Madison Square Garden, 1907, just held, White Rocks being the banner class, it being the White Rock Club meeting, we won 14 points more than the next highest competitors; cup for best 2 cocks, 2 hens, 2 cockerels, 2 pullets, and 2 pens. Best display, Whitest Male, Best Shaped Male, Champion Male. A few grand breeding and show birds for sale. Also eggs from all our winners. Send for mating list.

Greystone Poultry Farms, Yonkers, N. Y. F. H. Davey, Mgr.



## GRIT

**N**ATURE has not furnished birds with teeth, but it has furnished them with gizzard mills, which must be provided with grit. **Mico Spar Cubical Poultry Grit** contains the right proportions of sodium, aluminum, magnesium, lime and iron, and does the work. Given to poultry with their food it promotes their health and growth, and causes the hens to become money makers. This grit may be bought of leading poultry supply houses. If you are in doubt as to its value, write and let us send you some of our many testimonials from the largest dealers and poultrymen in this and other countries. Samples FREE upon application.

INTERNATIONAL MINERAL CO.  
New Haven, Conn.

12-6

## Old Trusty

Is the easiest to operate because it runs itself.

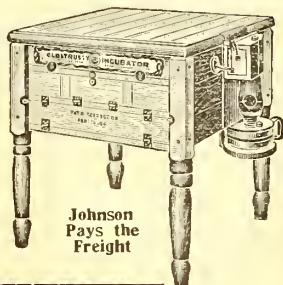
**I** HAVE a good many thousand poultry raisers to back me up on that statement. You know I sold more Old Trusty Incubators and Brooders than any other manufacturer last year. Yes, I've got them all going. Because I've got the machines; I sell on liberal terms: I aim to deal fair; I don't quibble on little things.

## Try 'Til You're Satisfied

Up to three months, if you want to. My guarantee's good for 5 years more, I can't be mistaken about what Old Trusty Incubators and Brooders will do for you—surest hatcher, biggest hatches, least trouble to run, safest brooding. I'm willing to take all the chances while you are testing. Write for my 1907 catalog. My biggest, best book. I wrote it myself. Full of good poultry pictures and plain, straight talk about poultry raising. Free to everybody.



M. M. JOHNSON COMPANY,  
Clay Center, Neb.



Johnson  
Pays the  
Freight

## S.P.S. MULTUM OVUM

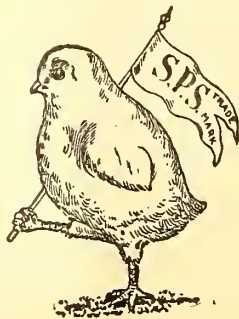
Great Egg Producer and  
.. Condition Powder ..

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



## S. P. S. CHICK FOOD

Stands in a Class Alone for  
Merit—Raises all your chicks

(AGENTS WANTED EVERYWHERE)

SOUTHERN POULTRY SUPPLY CO.

910 E Street Northwest, Washington, D. C.

"EVERYTHING FOR THE POULTRYMAN"



The Cornell Incubator Factory, built and owned by ourselves, is the largest and most complete Chick Machinery Factory in the whole world. With the Guns and the Men Behind the Guns, we are prepared to give you the best that is made in Incubators, Brooders and Poultry Farm Appliances.

### ONE ARGUMENT IS THE FACTORY BEHIND THE HATCHER

Another point of vital importance to you. We did our experimenting years ago. We have not changed the position of even one nail in the construction of the Cornell during the past three years.

There's a reason for it!

But why is it that the other fellows change regularly each season?

There's also a reason!

Write at once for our Free Catalogue. It describes the Cornell Chick Machinery and Cornell Method.

CORNELL INCUBATOR MFG. CO., Box , Ithaca, N. Y.

## LEE'S 3 LEADERS

"I have been in the poultry business for 15 years and Lee's Egg Maker beats anything I ever fed."—E. M. Robinette, Ordway, Colo.

Lee's Egg Maker not only starts hens to laying but it keeps them at it. The increased egg yield will pay for Lee's

### Egg Maker

and give a good big profit besides. Egg Maker is one-half granulated blood (deo-dorized), a highly concentrated form of meat food—just what all hens need to help them lay. It supplies materials eggs are made of—keeps hens busy. Comes at 25c., 50c. and \$2. All dealers sell it or sent direct.

Roup, Colds, Frosted Combs, Canker, Swelled Head and a whole train of winter disorders knock out the poultrymen's profits.

### Germozone

twice a week in the drinking water cures them all and keeps fowls in the pink of condition. A 50c. package stops the loss and puts profit in your pocket. Dealers sell it or we will send it direct.

Don't let lice pester your poultry. Just spray the roosts, nests and every crack in the poultry house with Lee's Liquid

### Lice Killer

No bother to use—no hand ling, dusting or greasing of fowls. Per can 35c., 60c. and \$1. Sold everywhere. Write today for Lee's FREE book and a "Mandy Lee" catalog. GEO. H. LEE CO., Omaha, Neb.

We carry in stock the Mandy Lee Incubator and Brooders, also Lee's Lice Killer, Egg Maker and Germozone. A full line of Poultry Supplies. H. E. FISKE SEED CO., 12 & 13 Faneuil Hall Square, Boston, Mass.

## When Experts Agree

Two professors of well known Agricultural Colleges (Storrs, Conn. and Guelph, Ont.) were so impressed with the great practical teachings of the book here advertised, that they unhesitatingly ordered a supply to be used as text books by their poultry classes. This splendid work, title of which is

### "First Lessons in Poultry Keeping"

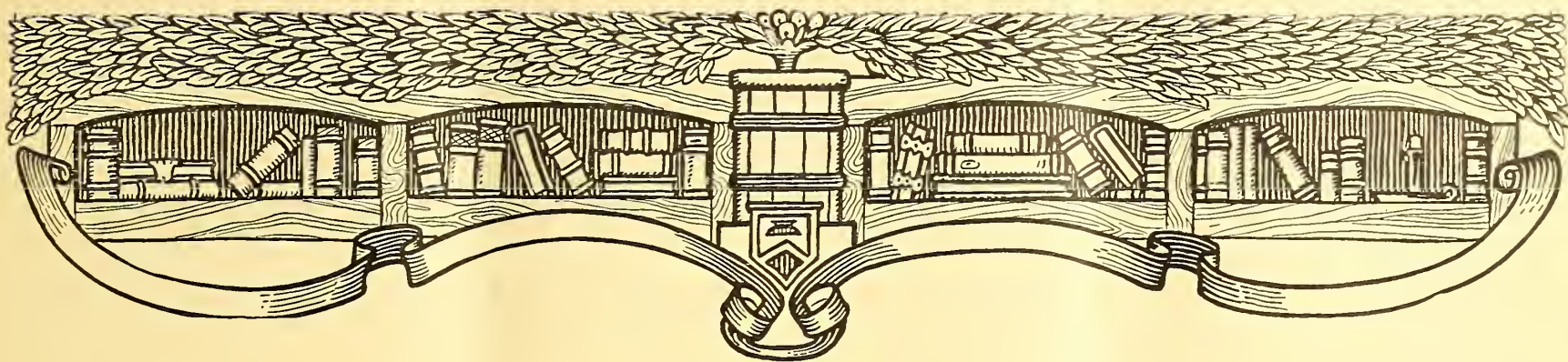
is acknowledged by leading expert authorities as the most thorough, most practical, most reliable publication of its kind ever produced. This series appeared during 1905 in FARM-POULTRY, the great semi-monthly 50 cents-a-year National poultry paper, and so insistent was the public demand that it was deemed advisable to print in book form. The price of the book is 50 cents per copy, but its value is easily ten times that to the student of poultry affairs. There is however, a

**SPECIAL OFFER** of Farm-Poultry one year and the book **ONLY 75 CTS.**

This book, together with a yearly subscription to FARM-POULTRY, in which the "Lessons" are being continued, represents the very finest combination of poultry literature ever offered—one which is absolutely guaranteed will give utmost satisfaction. Send order and remittance to

FARM-POULTRY PUBLISHING CO., Boston, Mass.





## Our January Issue

# SHOP TALK

## From An Advertiser



THE compliments showered upon us in praise of the December and January issues of THE FEATHER leads us to believe that the readers of poultry literature fully appreciate a magazine of the character of the present FEATHER. Hundreds of personal letters have come, praising the articles on Science of Breeding. We have solicitations to continue this from many quarters. We hope in the near future to write up all the features that we have been requested to make clear. It will take time to cover the whole field. Yet we trust that all of our interested readers who may wish special articles along special lines will not hesitate to send in their requests. We will make a record of them and do our best to satisfy all.

The presentation of "The Stately Brahma" in the December issue has called forth loud commendation from many quarters. One man writes: "It looks as though the Brahma had a good friend in THE FEATHER. Keep up the good work and make the grand old bird as popular to-day as they were several years ago." The section on "The Sussex Fowl," the information about how best to prepare pigeons for the table, the write-up of "Goose Culture," and preparing the same for table use, made a collection of good things seldom found in one issue of a paper.

Perhaps no article published of late years has called forth more comment than the article on "The Exhibition White Wyandotte" in our January issue. Said Mr. Hawkins of this at Boston: "You have struck at the root of one of the greatest evils in poultry growing, unless the type is distinctive enough to select the breed without looking at the head. They might as well all be thrown into one breed and called single and double-combed chickens, as of former years." Others said we are trying to compel such a distinction as to make impossible the selecting of other than breed qualities. We believe that all outside of the breed type described in the Standard should go to the utility branch of poultry culture.

## Other Featurers

Fanciers from all sections of the country have complimented us upon having gathered so much information relative to "The Sumatra Game Fowl." Mr. Nelson A. Wood, the acknowledged expert on these fowls, rather prefers the shape of Mr. Eaton's cockerels. If that specimen

had the tail formation like that of the other two males shown, he would be an ideal bird according to Mr. Wood's standard. The exhibit of the Sumatras at the Washington Show brought together a large collection of specimens of a remarkable quality.

In the January issue we tell of "The Flight of the Homer," and illustrated same by photographs. We do not know that this has ever been done before. We feel highly gratified to be able to state that both of the illustrations used in them were taken by the writer with his own camera on the Hagerstown fair grounds.

## Our New Book

At New York, Auburn, Boston, and Washington Poultry Shows was shown the prospectus of our new book, "The Perfected Poultry of America." This attracted more than passing attention among all the fanciers. Several hundred gave advance orders with high praise for same. This book will contain one hundred full-page illustrations, all parti-colored, barred and penciled varieties will be illustrated, showing the feathers from each, and placing them in the section where they belong. As for instance, in Asiatics a Dark Brahma male and female and thoroughbred Cochins male and female will all be shown with feather illustrations from each section. The solid colored Langshans are shown in pairs. This gives in the Asiatic section, four Brahmas, five Cochins, and two for Langshans, with the history and description relative to same. The American classes—in fact, every fowl belonging to and coming within the name of the book, "Perfected Poultry of America"—will be illustrated and written of, including bantams, turkeys, and all kinds of water-fowl. Never before in the history of the world has such a proposition been attempted. We are glad to be able to state that the book has been received with public favor, and notwithstanding the enormous cost of same, we feel repaid for the effort which has been given to the compilation of this most wonderful of all poultry books.

We hope to have this book finished and ready for delivery in April. The price, \$2.50, is but nominal in comparison to the value of the book. We are ready to appoint agents in all parts of the country for the sale of this book. We do not, however, wish to have any one take hold of it who can not give at least half of his time to canvassing for subscribers. Any one who may feel interested in hav-

ing an agency should apply at once. In doing so be sure to state the territory in which you will canvass, and let us know what part of your time will be devoted to it.

## Our Illustrations

Each month we endeavor to give the most attractive pictures possible to be produced direct from photographs. When illustrating the ideal type of breed characteristics, it is well enough to give an ideal picture. For the amateur poultry man or the fancier we believe the actual photograph to be the best. The enlargements on our cover pages are made from life. It is true the rough edges are worked off of these to make the picture more attractive. Yet we have only to look at the cover page of the December issue and the photographs in the reading pages to see how wondrous a portrait can be made from actual life.

This month we see on the cover page a beautiful pair of Plymouth Rocks made from living specimens shown at New York, Hagerstown, and Boston by Mr. George Fox, Torresdale, Philadelphia, Pa. Undoubtedly Mr. Fox is producing some of the most beautiful specimens of this kind in the country. He tells us that he breeds all of these and that he has many more at home fully equal to his exhibition specimens. The columns of the great winter shows tell us of Mr. Fox's winning.

The other illustrations that we imagine will prove attractive to our readers in this issue are included in the write-up of "The Present-day Campines." The Campines are becoming almost as popular in England as the Columbian Wyandottes in this country. We try to keep our readers informed about all the new features in the poultry world, including England as well as our home production. At this time Black Wyandottes are attracting much attention in England. A letter from the other side tells us that if the American people could furnish them some high quality Black Wyandottes they would receive remarkably good prices for them.

"Enclosed find money order for which send me The Feather another year, and enter my ad for three months. I can not afford to miss any numbers of The Feather, as it is the most valuable of any I take, and improving all the time."—Frank L. Smith.

"Referring to my 'ad' for turkeys in your journal, beg to say I consider THE FEATHER a fine advertising medium, I have sold my entire flock of turkeys, having made shipments to many States: the largest order I ever received was for twenty-three turkeys, one full wild tom, two half-wild toms, and twenty half-wild hens, these I sold to Mr. J. Pierpont Morgan; they were shipped yesterday, and I am going to ask you to state in your columns that I have no more stock for sale. Expect to have pure wild eggs for sale in season, and hope to have a good flock to advertise in THE FEATHER next autumn. Your paper has always been a favorite with me, but the last few numbers are exceptionally fine."—Bertha M. Tyson.

## New Catalogues

We have just issued from this office one of the most beautiful poultry catalogues that have ever come from our press. It was printed for Mr. E. B. Thompson of Anemia, N. Y., illustrative of his great strain of Barred Plymouth Rocks, known as "Ringlets." Every reader of THE FEATHER should have one of these catalogues.

A companion piece to this is Mr. U. R. Fishel's catalogue, illustrative of White Plymouth Rocks. This was not printed in our office, but we believe that it should be in the hands of every lover of White Plymouth Rocks.

## Advertising Rates

The advertising rate in THE FEATHER is 10 cents per line, fourteen lines to the inch, \$1.40 per inch per insertion.

Discounts: Two per cent. discount for three months' payment in advance; 5 per cent. discount for six months' payment in advance; 10 per cent. discount for one year's payment in advance.

## Classified Ad Rates

For classified ad rates in THE FEATHER: Twenty-five (25) words or less, one time 50 cents; three times \$1; six times \$2; twelve times \$3.50. Additional words at the rate of 2 cents each for one insertion, or 11-13 cents each for each insertion when run three times or more. Payable in advance.

Special positions 10 per cent. additional.

No discount on class ads.

Forms close: THE FEATHER forms close the 20th of the month previous to date of publication.



The Constitution adopted at the Auburn meeting by the American Poultry Association calls for an executive committee of twelve, who will virtually become a board of directors who will have charge of the business affairs of the Association. Six will be elected each year, three to hold their position three years, the other three two years. The president, vice-president, secretary-treasurer, and three men of this committee are to be elected by mail vote each year; no two from any state or locality.

This is a move in the right direction. Some months ago we advised such a proceeding as for the best interests of the Association, and gave it as our opinion that the secretary should be appointed by the board of directors. As it now stands, he as well as the members of the committee must be elected by the vote of the whole Association, said vote to be started under way in February.

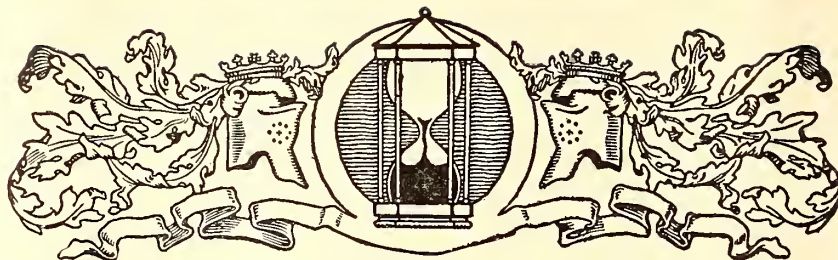
Mr. Fred L. Kimmey will have charge of the vote by mail, and all members will have the opportunity to nominate the candidates and to vote for them as well. It is to be hoped that each will feel his responsibility and make his nominations for their business value to the Association, and not for local friendship. Only those who have proven their executive ability should be selected; the affairs of the Association have become too large to be entrusted to any one save for proven business qualities. A much needed improvement is business management.

Before the March issues of the journals come to hand, you may be asked to vote on the nomination of candidates and to suggest the meeting place for the annual gathering that will occur in August. This must be central—Niagara Falls, or some convenient place in that locality would be close at hand for East, West and Canada. All could go there in the warmest weather and keep cool. Accommodations may be had in advance at reasonable cost. There are other pleasant resorts in that locality. In selecting a meeting place the interests of all localities should be considered.

President Curtis proved to be an impartial presiding officer. His opening address was well chosen and graciously received. Secretary Orr pleased the members when he reported over six thousand dollars in the treasury, which was placed in a trust company as a reserve fund, only current receipts to be used for running expenses, all of which shows improvement in business methods.

Mr. D. Lincoln Orr read the proposed constitution after which some explanations, and statements were made by Mr. Baerman, of New Jersey, who asked to make some changes, which could not be permitted for lack of proper notice. Following this, a vote was taken, and the constitution and by-laws as proposed was approved by the unanimous vote of the meeting.

If space would allow it, we would give a complete account of all that happened, but with five large shows to report, we feel that our readers should have the substance of all as briefly as possible. In our next issue we may have the space at our command, and be in position to tell more of each one.



## THE FEATHER

Volume XII

FEBRUARY, 1907

Number 5

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

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Subscription, 50 cents a Year in Advance.  
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ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

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**The HOWARD PUBLISHING CO.**

714 Twelfth Street N. W.

Washington, D. C.

Mr. Victor Bradley, E. B. Thompson, and A. C. Hawkins took a look into Barred Rock Alley, but did not show. It may be that they sold some of their Barred beauties to compete, as they have them better than ever this year.

Mr. C. P. Nettleton came to see how his New York winners compared with the others in the classes. Mrs. Welles came to help Charlie enjoy his winnings in Barred Plymouth Rocks. Both had a right to feel overjoyed at their good fortune. Arthur Duston has taken up the thread where he dropped it, and won a lot of prizes in the Show.

Mr. Cory, of Rock Hill Poultry Farm, can well be proud of his success in the winnings. The farm he is manager for has much to be proud of in their Plymouth Rocks, Wyandottes and Leghorns, the Silver-penciled Rocks, of which they have so many good ones, were admitted as a standard variety at Auburn.

W. Theodore Wittman is fast recovering from a serious illness. He was missed at the Garden. All were glad to know at the end of the week that he was out of danger. Editor Drevenstedt was kept away by sickness, from which he has recovered. Mr. Stinemetz and son, of Washington, went to see the white lights of Broadway and the Garden Show relative to comparing it with the Washington event.

Pine-Top Poultry Yards came to both New York and Auburn with a strong lot of birds. Mr. Hallock is a true fancier, and his manager, Mr. Wincheel, an expert fitter. We shall illustrate one of the high-class specimens from this farm in the near future. The White Wyandottes shown by Mr. Lisk, of Romulus, N. Y., won the highest honors at Auburn; some of them are regular high-class beauties.

Dr. C. J. Andrews had a line of Columbia beauties at the Auburn Show. The Doctor loves the Brahma-colored Wyandottes better than any other fowl, and he understands how to breed and to fit them from the show room. The Black Orpington cockerel, winner of first at Auburn, was the talk of the Show; he is very low on his shanks, quite different from the New York winners.

The Prairie State Incubator Company was well presented through the efforts of Messrs. Nix, Betts, and their New York City agent, Mr. Russ. Business was booming about them. They report a flood of orders that will keep their additional factory rooms more than busy. Their exhibit moved on to Auburn and Boston, well attended by the force, which have in McAleer a worthy second.

Messrs. Curtis and Dillingham kept things on the move for the Cyphers Incubator Company, whose exhibit was a blaze of lights and a bower of flowers. They had young chicks on all sides, and ducklings in a miniature pond. Their new catalogue is well worth having; send to them for one, and become wise.

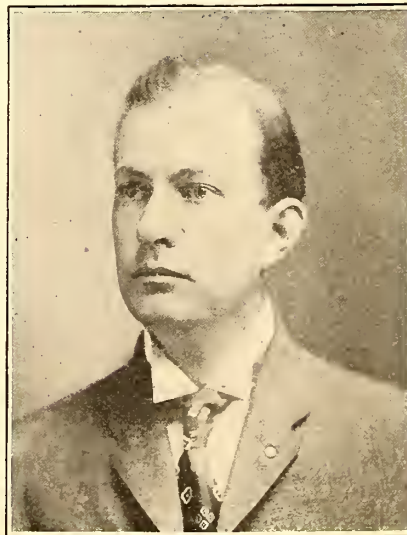
Messrs. Bache and Rutt, of the Star Incubator Company, had a smile that could not come off, because it was born of a successful season just past, and nourished by profitable prospects. May this be so for all time to come, as it is well deserved by them.

"Pineland," when spoken of, carries one to the thought of the successful line of incubators made by the Pineland people, who have occupied the same place in the Garden Show for years. This time they had something new in brooders that all should learn of prior to the hatching season.

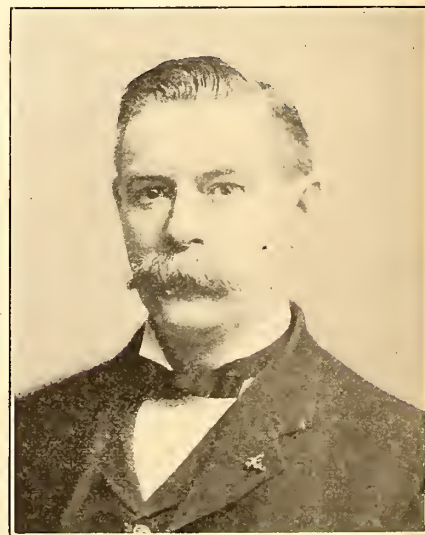
The Model Incubator Company had in its camp Mr. Cyphers and an energetic corps of attendants, who greeted all kindly, and one could scarcely refrain from being led into additional expenditure through their winning ways. The Model Farm was shown by photograph, and they expect great things from it.



GEO. E. HOWARD,  
President



CALVIN HICKS,  
Secretary



EDWARD S. SCHMID,  
Treasurer

Officers of the Columbia Poultry and Pigeon Association, Inc., Washington, D. C.



The Cornell people could scarcely find time to leave the factory to come to New York. Mr. Blackman only stayed a few days in the city, and Mr. Wyckoff, a day or two at Auburn. Their agents at both places did the honors for them, and did it well.

Spratt's Patent, the Excelsior Poultry Supply Co., and others had positions of interest to the visitors. Both of these are well known to the trade, who continually find their way to Vessey Street to supply their wants in the poultry line.

Mr. George L. Harding came to the Garden, also to Auburn, with the line that hooks the trade. The fish that escape his net are rather small for consideration. All over is seen on every hand the Harding supplies and Baby Chick foods. George claims that no chicks die that are fed on his original brand of Baby Chick food.

Newspaper Row was the most attractive spot in the Garden. About all the leading journals were represented. THE FEATHER was the only January number on the ground, and it was pronounced a beauty. The new book, of which we had the prospectus, took the eye of the fanciers. Over one hundred advance orders were taken, and the opinion of all was that "The Perfected Poultry of America" was the best book on poultry yet offered to the public.

We shall establish agents all over the country for the sale of this book—first come, first served, will be the rule. If

you wish to have the opportunity to sell the most attractive of all poultry books, put in your application at once for an agency.

Mr. Theodore Hewes, of Indianapolis, was quite sick at New York, for a day or two, with symptoms of pneumonia. Good care and quiet brought him around all right for Auburn and Boston. Mr. T. E. Orr left Boston quite under the weather. This following the shows is killing work. Wet and cold has prevailed to such an extent this winter as to create colds in man and fowls.

We have a letter dated January 14, from Steubenville, Ohio, sent us by Mr. T. E. Orr, whose bad health, when we parted from him at Auburn, made us very anxious. He states: "Have slept most of the time since we parted; am now quite another man, and on my way to Cincinnati. Say to the boys that I am not a candidate for Secretary-Treasurer—clear out of the race. Do not want any votes nominating me." Undoubtedly Mr. Orr is prompted to send in this request from the fact that the new constitution compels the Secretary-Treasurer to devote his entire time to the work of the organization. We wonder if this new rule will prove beneficial to the Association.

Mr. and Mrs. Rigg feel as though transplanting to an eastern climate would be congenial to their health and spirits. The rush of the ocean, the white lights of Broadway, and the manner of doing things usually captivates those who come under their influences.

## Lurking Destruction

Nothing is so dangerous or so apt to be contaminated as the drinking vessel for man or beast. Poison sown in the stream soon spreads pestilence among those who may consume its contents down the waterway for many miles. Contamination of the water fountain or drinking vessels of poultry is the most prolific cause of the spread of disease. A fowl with the roup may drink but once from the fountain used by other fowls, and spread the disease throughout the whole flock. Gapes, roup and contagious diseases of all kinds are carried from one to another through the infected water fountains. A fresh water supply is most valuable, but water kept in an infected vessel is dangerous and destructive. One may always feel absolutely certain that the infection has been removed from a vessel that has been thoroughly scalded or heated to almost burning point upon the stove. Nothing is more certain to remove all danger than this treatment, and a thorough cleansing with a brush or broom is more than likely to prove successful. Proper rinsing when no lurking danger is about is sufficient. Never allow an infected drinking vessel to be used by your poultry.

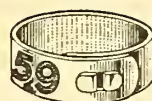
Next to this in point of danger is a sour feed trough that has been generally used by all fowls, and left each time thereafter to become sour. Fermentation begins, and the destructive germs growing therein may spread a pestilence of

chicken-pox, roup or any other disease that may be prevalent in the neighborhood. This can be easily avoided by thoroughly cleansing the feed troughs, and turning it upside down each time the poultry have been fed.

The use of the water fountain or vessel for the fowls is an absolute necessity. During the warm season poultry should have fresh water twice a day at least. Every time the supply is renewed, the vessels should be rinsed and cleaned. Imagine the dangers of the home table, if drinking vessels were continually used week in and week out without rinsing and cleaning. Many times over double the danger confronts the poultry with such careless treatment. How often do we see the water pan scratched full of litter, filth and excrement from the floor filled with water, the only supply for the fowls. Keep the water pan elevated out of danger of the accumulation of filth, cover it with some protection that will prevent the poultry from tramping into it. Keeping away the dangerous possibilities coming from an unfit water supply.

"Please find inclosed 50 cents for my subscription to The Feather. Am well pleased with it; think it is the master of them all."—Melvin Schank.

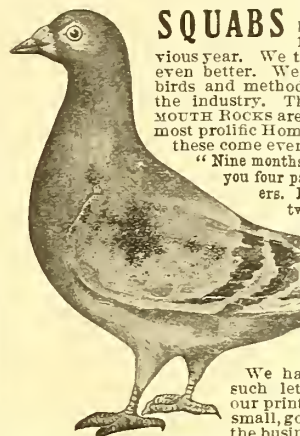
Bent's Milk Albumen makes lustrous plumage.



**IDEAL ALUMINUM LEG BAND**  
To Mark Chickens  
**CHEAPEST AND BEST**  
12 for 15c., 25—30c., 50—50c., 100—75c.  
Frank Myers, Mfr., Box 54, Freeport, Ill.



**ALUMINUM PIGEON BANDS.**  
Seamless and open. 12, 20cts. 100, \$1.00.  
Sample for stamp.  
HARRY E. BAIR, D. F., Hanover, Pa.



**SQUABS** We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous PLYMOUTH ROCKS are the largest and most prolific Homers. Letters like these come every day: (Oct 8, '06) "Nine months ago I bought of you four pairs of extra Homers. I had to move them twice to make room. Have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers."

W. I. MacRey.

We have thousands of such letters. Send for our printed matter. Start small, go slowly and learn the business. The new law in Mass. and N.Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

PLYMOUTH ROCK SQUAB COMPANY,  
334 Howard Melrose, Mass.

**PROF. JOHN EVANS & SONS' REMEDIES, FOR**  
Roup, Rattling in the Throat, Canker, Chicken Pox, Scaly Legs and Frozen Combs, have no equal. Price 50c Box. Send for our Circular of Columbian Wyandotte. Meshanticut Park, R. I. 12-12

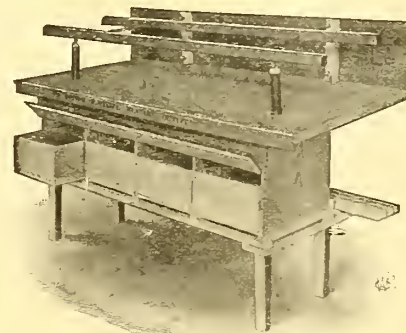
**FOR SALE** Washington, D. C., Maryland and Virginia real estate, farms, country homes, timber tracts: historical estates, "poultry farms and small tracts." Washington City Real Estate Sale and Rent. Write what you desire; "Bulletin Free;" 1000 bargain homes, \$1000. and up.

BOOTH'S FARM AGENCY

"Ouray Bldg." Washington, D. C. tf.

## Do You Know—

the **POTTER SYSTEM** of selecting laying hens—the greatest discovery of the century in the poultry world? It is a simple, natural and scientific method of picking out the layers from the loafers. You keep only layers in your flock when you use the Potter System. Figure out in dollars and cents your saving and added profit. Our system is used and recommended by prominent judges, editors, and thousands of breeders. Write us to-day and learn what they say about it, and a dozen ways of making more money on your poultry. You can keep fewer hens, get more eggs and make more money if you know the Potter System.



**DON'T BUILD** that new hen house or think of fixing up the old one until you have seen our large, new 64-page catalog on Poultry House Fixtures. The biggest and best ever issued; over 50 illustrations showing hen-house fixtures in three styles and twelve sizes; also "Simplex" trap nests; W. P. attachment, etc. No poultryman can afford to be without this book. For eight years we have manufactured this line of goods. Thousands of poultry houses in every section of the country are equipped with Potter Fixtures. You can have convenient and sanitary quarters, and you can save time, worry and money by using them.

OUR CATALOG tells you how to keep free forever from those pests, LICE and MITES. It has cost us hundreds of dollars but we send it to interested poultrymen for one red stamp, to cover postage.

We write to-day for free circulars on the POTTER SYSTEM and our new catalog. They will please and interest you.

**T. F. POTTER & COMPANY**  
Box 11 Downers Grove, Ill.

**Paine's Green Mountain Farm**  
Pure Bred Fowls, Collie Dogs, and Chester Swine

We have been breeding "Fine Feathers" thirty years, have owned nearly every known variety, have now settled down to most Practical Egg Machines—

**S. C. WHITE and BROWN LEGHORNS**

Have a fine lot of these for sale. Our Collies are of the Best Blood in the World. **C. C. PAINE, East Bethel, Vt.**

12-5

## The Proper Way to make Poultry Pay

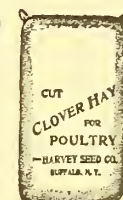


Intelligent feeding is of great importance in securing large profits from poultry. To do well, fowls need food elements which nourish the body, keep the system active and provide egg-making and flesh-forming material.

One of the most excellent foods in this line, and which is a pronounced success especially in cold weather when green feed is scarce, and gives excellent satisfaction is

## Harbey's Cut Alfalfa Hay

It supplies fowls with the same food properties contained in the green feed, of which they are so fond. It furnishes the elements necessary for egg-production and digestion; makes bone and muscle and produces strong, vigorous fowls. A mash made of Harvey's Electric Poultry Food and Cut Alfalfa Hay is a splendid egg-producer. It's a profit-maker, for it makes fowls thrive, and is well suited to all kinds of poultry.



Send your name and address and receive a

Free Sample

of Harvey's Cut Alfalfa Hay; also our Free Catalog; we can save you money on all kinds of poultry supplies. Write today.

**HARVEY SEED CO.**  
705 Ellicott Street,  
BUFFALO, N. Y.



## WHY NOT

Get that setting of eggs from me. My Barred Plymouth Rocks and White Wyandottes are the kind you see in the show room. You can have EGGS FOR \$1.50 PER SETTING. We print no catalogue, that's why we sell our eggs so cheap. Printing costs money and somebody has got to pay it. My Poultry Yards are open for inspection every day in the year.

## White's Poultry Yards

EAST HYATTSVILLE, MD.

12-5

## 1907 Giant Strain Light Brahmas 1907

"Again Lead All at New York and Boston"

At Madison Square Garden, New York, January 1-5, 1907, on only eleven entries, won 4th cock, 2d, 3d, and 5th cockerel, 1st, 3d, and 4th pullet.

At Mechanics Hall, Boston, January 15-19, 1907, won 1st and 3d cock, 3d and 5th hen, 1st, 2d, 5th, and 6th cockerel, 1st, 2d, 5th, and 6th pullet, and 1st Exhibition Yard; also the \$100 Cup for best male and the Greenholme Cup, and cash specials for best display and for best cock and four hens, and for best cockerels and four pullets. A grand lot of Brahma Cockerels and Pullets to spare.

White Wyandottes, Promoter Strain. Fifty large fine Cockerels for sale at a bargain. Write for prices.

Brahma eggs \$5 per setting.

W. Wyandotte eggs \$3 per setting.

## H. N. ROLLINS,

R. F. D. No. 2, Box 41 Westboro, Mass.

YARDS AT WOODVILLE, MASS.

13-4

## A SEASONABLE OFFER

Especially Designed to Meet the Wants of Many Readers

IT IS not often we are able to make such a grand proposition as the one below, but we are desirous of closing the season with not less than 50,000 subscribers, and for that reason we are straining every effort to supply the wants of everybody. You know all about



and the grand work we are doing in the interest of Poultry and Pigeons, and our aim will be to even exceed our past efforts during the coming year. The other paper,



is one of the oldest and greatest of all farm papers. This goes without saying and no further argument is necessary. This is a winning pair and no family should be without them. For a limited time only we are offering

BOTH PAPERS FOR 50 CENTS

Please note this offer and send in your subscription while you have a chance.

THE HOWARD PUBLISHING CO.

714 Twelfth Street N. W. Washington, D. C.



## Fox's Plymouth Rocks



T HAGERSTOWN our attention was attracted to the exhibit of Buff Plymouth Rocks made by Mr. Fox, of Torresdale, Philadelphia, Pa. These were the nicest and most attractive of their kind we had seen during the season. At New York Mr. Fox was present with a very pleasing string of these beautiful Buff Plymouth Rocks. The award lists tell of their winnings there. We only wish to speak of their individual quality, and to illustrate from life two specimens from among the prize winners at New York.

We consider the illustration of the hen upon the front cover-page a perfect portrait of the winning hen at New York. All must admire her beautiful Plymouth Rock shape. Those who have seen her are compelled to admit her color, both surface and under, to be superb. The male bird, a many-time winner in the show pen, has proven his quality through the production of winners all along the line.

Mr. Fox stated to us that of all his entries at Hagerstown, New York, and Boston, not more than three of them were grown away from his own yards. All of the winners save one, we believe, in the exhibition pen at New York—that a female—were of his own production. Those illustrated on our cover-page are of his own breeding.

Mr. Fox has certainly gained honor enough through the reports of the shows where he has gone, to permit us to describe a perfect Buff Plymouth Rock without referring further to the quality of his own birds. The Buff Plymouth Rock must have the breed characteristic, type and form of all Plymouth Rocks. This is strongly shown in our illustration. Following this, the true shade of color for beak, shank, plumage and eyes are of vast importance. Every Plymouth Rock should have the golden-yellow shank and beak. Each should have clear, bright, attractive red, known as the bay eye. The surface plumage must be one even shade of golden buff throughout, not the red or brownish buff, nor the thin, pale, lemon color too often seen. Buff is a shade of color free from brown or red, and reduced to an attractive softness with white, the white never being permitted to show in its purity, nor to thin the color to that degree which permits the white under-color to show through the plumage; under-color must be of an even shade of buff, one or two degrees lighter than the surface color. The production of true colored buffs can never be gained by intermingling or from breeding together a light shade in one and a dark shade in the other. The introduction of black throughout the tail or wing plumage brings a darker shade of surface color. The use of light, thin colors that have white in tail or wings brings the light lemon so thinly laid onto the plumage as to permit white to show through in the shape of ticking.

All of this has been well understood by Mr. Fox, and is undoubtedly responsi-

ble for his success along the lines of breeding perfection in Buff Plymouth Rocks. Those who desire to carry on a successful line of breeders in these, must select from the best, and continue to mate or pair them for best results. Entirely too many breeders imagine that success comes from gathering together from many yards individual specimens, and pairing them all in a bunch. We described line breeding under the head of "Science of Breeding" in our January issue. Line breeding for long-continued success; inbreeding for the production of excellent quality, either of shape or color, can not be continued in successfully through the use of inbreeding. Both can be improved through the proper application of line breeding. And for this reason, we suggest to those interested in breeding of the beautiful variety similar to those we are writing of, that they should carefully select and continue to breed for success along the line direct in line with their first selection. For this reason the selection for producing exhibition stock should be properly made, and continued in when it has been made.

Undoubtedly, Mr. Fox has been more than usually successful in his work. He has held together Plymouth Rock shape and the true buff color to a remarkably high degree, and has added to this strength and vigor, which has increased the vitality and value of his stock. Whenever one can obtain and continue quality of this kind, they are to be most highly recommended for the work they have accomplished.

## Blue Andalusians

The table of Andalusians at the last Boston Show was a tribute to the skill of careful breeding and a credit to the variety. A large number of these of large size, fine Leghorn characteristics and beautiful color and marking were shown. Male birds, old birds, cockerels and pullets, and hens, of elegant size and quality were shown. Knowing the value of the Andalusians as egg producing market poultry, we are at a loss to understand why it is that more of them are not kept for this double purpose. To be successful with these to the greatest extent, it is necessary to breed for size as well as other valuable requisites. If care is taken in the selection of large-sized, well-formed, beautifully-colored hens for producing eggs for hatching, they can be grown to the average weight of five pounds for females and a pound or two heavier for males, and still maintain the breed characteristics and continue to be producers of a large egg yield. The Andalusian is most attractive as table poultry, having a thin, pinkish white skin and a very plump carcass.

"I enjoy The Feather very much. It gets better every time."—S. A. Kellogg.

New York and Maryland Stations say Milk Albumen is most palatable, healthful animal food.

## BIRDS, POULTRY, AND POULTRY SUPPLIES



Incubators, Brooders, and Eggs to produce the Chicks. All to be had of the best quality, at

## Edward S. Schmid's

712 Twelfth Street, N. W., Washington, D. C.

Sole Agent for D. C. for the Prairie State Incubators and Brooders. Bone Grinding Machines, etc. Send for my Illustrated Catalogue.

tf

## COLUMBIAN WYANDOTTES

At Madison Square Garden, 1907, we won more regular and special prizes than any other exhibitor, again winning the Club Championship Cup for best collection, the President's Cup for best cock, hen, cockerel and pullet, President's Cup for male having best hackle, President's Cup for female having best wing, Gold Special for four best cocks, Gold Special for four best hens, Gold Special for four best cockerels.

A Fine Lot of Birds for Sale. Eggs, \$10 and \$5 per 15  
The Wise Order Early.

## AUG. D. ARNOLD

Box H, DILLSBURY, PA.

tf

## Rock Hill Poultry Farm

### BLUE RIBBON POULTRY

White and Silver Penciled P. Rocks, White and Partridge Wyandottes, S. C. W. Leghorns and Buff Cochin Bantams

After winning over two hundred ribbons at four of the largest shows held in 1906, Madison Square Garden, Syracuse, Trenton, and Hagerstown; we start the New Year by winning Forty Ribbons and Two Silver Cups at World's Greatest Show, Madison Square Garden, 1907.

We wish to call particular attention to our First Prize White Wyandotte Cockerel, a Son of our First Prize 1906 Cockerel, thus making twice in succession we have won this most Coveted Prize. Another one of our Blue Ribbon Winners was First Prize White P. Rock Pullet, she captured five Special Prizes including the Ivory Soap Cup and was conceded to be the Champion female in the show. Send for illustrated catalogue with price list of eggs from the Best Matings I have ever seen.

F. W. COREY, Manager, OSSINING, N. Y.

tf







## Chicken-pox, Cold, and Roup

Mr. J. Robert Livingston, the well-known poultry expert, has sent, at our request, a concise report of his treatment for the above ailments.

### CHICKEN-POX

**M**Y EXPERIENCE with chicken-pox was fortunately very limited. Those who claimed to know said that it was "sure enough" chicken-pox. It attacked turkeys and fowls alike. A reference to everything in my possession on poultry diseases gave but little satisfaction, and after conscientious treatment, according to various recommendations, I quickly concluded it was necessary to start on new lines to cure the infected and head it off. While getting to this point we got on our hands several very malignant cases and lost a couple in the course of experiments. The most effective treatment we soon discovered was a thorough bathing on and all around the affected parts with two per cent. solution Formaldehyde, carefully sponging until sure the affected spots were well saturated down to healthy tissue. This was repeated three times the first day of discovery. On the second day we used an atomizer to give a thorough spraying, and after the second application, which would be given early enough to become thoroughly dry before roosting time, all affected parts were well rubbed with Unguetin ointment. I have found both these drugs of the greatest value in the "Poultryman's Hospital."

### COLDS AND ROUP

Fill an ordinary sprayer that will pump a fine mist with kerosene, place the bird in coop or box that may be tightly closed, and keep filled with this mist for five to eight minutes night and morning. If it causes serious trouble to breathe, repeat at noon. If the bird's head is badly swollen, bathe well in hot water in which has been placed sufficient borax to make it feel smooth and soft to the hand, dry thoroughly, and then place in box, and spray. Four or five treatments will prove sufficient. Should the spray blister the skin, apply a little vaseline; if in the throat, smear a little on the end of a feather, insert and twist until all sore spots are touched. Feed soft mash while bird's throat and mouth are sore and tender. A little coal oil in drinking water will help to complete the cure.

My statement as to the value of coal oil as a "cure" for roup has not been quite understood, because where confident of the case being one of assured malignant roup my sentence is death and immediate incineration, but for colds with even strongly roup tendency I have found coal oil to be invaluable, safe and sure, if a short, vigorous treatment is given.

Recently in western North Carolina we had a beautiful day with the thermometer above 80° at noon registry, followed by it dropping to 30° a little after sunset with half a hurricane blowing from the south. By the by, it was the night that half the shipping at some points on

the gulf were destroyed. It then fell to 22° during the night with abatement of the wind. Several hundred of our young birds from eight weeks to five months were, as usual, closed for the night in their colony houses which, by the way, faced the south. By some misunderstanding the feeder released all of them the first thing in the morning so that any treatment or accurate inspection had to be deferred until night again. Ah me, what an outlook for the finish of a season's work! Of that lot of hundreds of birds there was not one dozen without an "awful cold." Half of them refused their feed at night, and several with all the outward appearance of roup, but of course with the absence of the putrid smell of a protracted case, but heads swollen until the eyes were closed, discharge from nose and eyes, rattling in the throat, and half of them gasping for breath. The superintendent's orders were for all hands to report after supper with sprayers full of kerosene, prepared to work till midnight or until that lot of birds were treated. Several of the worse cases, those with eyes closed and those that were weak and exhausted, were removed to the hospital, placed in separate coops, and given individual spraying with the atomizer. A couple of old horse blankets were used to throw over the openings of the houses where the wind could enter (it was still blowing a gale) and we proceeded to pump those houses as full as they would hold of a fine "oil mist," and we held each house full from five to eight minutes, repeating in about an hour. When they were let out in the morning they discovered in place of their usual water ration a kind of "kerosene cocktail," each pan with a thin skim of oil over it. They were not let out until the spray dose had been repeated. On the third day, out of twenty-six colony houses there were but two that still needed treatment. Those placed in the hospital with swollen heads and closed eyes were additionally bathed about the heads during the day with hot water, hot as the hand could bear it, in which a goodly quantity of borax had been placed and then sprayed with the oil. Two hours after the bathing, at the next spraying for these, practically all the swelling had disappeared, and the third day they were ready to go back to their respective houses.

I have given this incident in full, as it was a wholesale case of the worst colds with catarrh that the writer ever had to deal with, and as at the end of five days we did not have a bird that seemed any the worse for its experience, I give it for what it is worth. In cases where birds show unmistakable symptoms of roup, sitting with head under the wing, we not only spray well in nostrils and throat, but give the inside feathers of the wing and body a pretty good dose. Should it blister we rectify by smearing on a little vaseline.

For winter eggs feed Bent's Milk Albumen. tf

**FIDELITY POULTRY FOODS**

Food "A" makes chicks strong, sturdy, vigorous; food "B" contains egg-making ingredients that help the egg-basket; food "C" fattens fowls to get top-notch market prices. Feed them. Catalog free. Agents wanted.

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Good as the Best. Makes hens lay; keeps them healthy. Egg Preservative; keeps eggs perfectly fresh for months. Fumigating Nest Egg; drives lice and fleas from hens and nests. A great combination for poultry raisers. Write for descriptive circular to ECONOMY CO., 2304 Station G, Washington, D. C. tf

White Plymouth Rocks that win everywhere. They win at State Fairs, World's Fair and Madison Square. State White Plymouth Rock Club Cup, Ivory Soap Cup and any other cup that gets in their way. At the great Washington Show, 1907, won Second Cock, First Hen, First, Third and Fourth Cockerel, First and Fourth Pullet. Eggs, \$3 and \$5 per setting. Some nice cockerels for sale.

C. C. BURROUGH, Clayton, N. J.

12-7

## CUMBERLAND POULTRY YARDS

Breeder of White Wyandottes for Ten Years, Will Give You a Square Deal

Eggs for hatching, 1 setting \$3; 2 settings, \$5, or 50 eggs for \$8. We replace any and all unfertile eggs (ifree) if tested out on the seventh day and returned to us express prepaid.

STOCK FOR SALE  
Dept. A, BRIDGETON, N. J.

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## RHODE ISLAND REDS

LIGHT BRAHMAS, WHITE AND BARRED ROCKS, WHITE WYANDOTTES AND LEGHORNS.

Hardy, prolific, farm bred, pure stock. For birds (moderate prices) and "EGGS to HATCH" at 10c. each. Write

WALTER SHERMAN, "FASHIONVIEW," NEWPORT, R. I.

12-8



## HOAK O. K. LINE

INCUBATORS, BROODERS, POULTRY SUPPLIES

Where Quality and Low Prices Count

O. K. and Good Luck incubators hatch where others fail. No cold corners. Easiest regulated. Last longest. Require least fuel and attention. Direct acting regulator. Many features only found in the Hoak construction. 10 years experience. Pure Air Brooders. Testimonials in plenty. Free Catalogue. Write to-day.

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## GEM POULTRY FARM

Gem Strain White Wyandottes and White Rocks

Special offerings in cockerels and pullets. Do you want to see the birds before you pay for them; if so, write me your wants. Eggs, \$2.50 per 15, now ready.

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12-7

## "Profits in Poultry Keeping Solved"

Title of my new book which is revolutionizing the poultry business all over the country. My great feed at 10c per bushel will save you \$25 on every 100 hens you feed a year as well as increase your egg yield over 30 per cent. Nothing like it ever discovered for producing winter eggs and fertile eggs. For growing chicks it has no equal. No mashes or cooking feed under this great system. Broilers go 1 1/4 to 1 1/2 pounds in seven weeks on it. No science required to feed my system. Failure impossible. Start right. Circular and testimonials free. Write to-day and stop that big feed bill.

## EDGAR BRIGGS

BOX 25, NEW ROCHELLE, N. Y.

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**80**

FOR THIS STANDARD GREEN BONE CUTTER

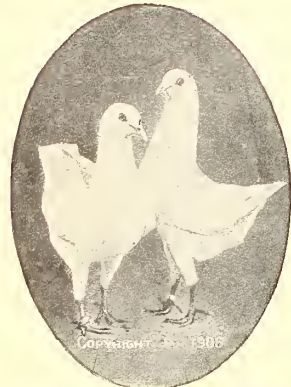
Here is a bone cutter entirely different from any other on the market—every point of difference is an improvement. It feeds the bone endwise to the cutting knives automatically, thereby producing a much finer, better chip than is possible in any other machine. Every poultryman knows the advantage of feeding fowls cut green bone. We want them to know how easy it is to prepare it. You can get the green bone fresh every day from your butcher at a trifling cost—it's no bother and very little work to prepare it with the

**STANDARD BONE CUTTER**

Feed regularly green bone will double your egg supply, make eggs that will hatch strong, vigorous chicks, and keep your whole flock healthy and profitable. The money you spend for a bone cutter will return a profit to you every day. Machines are made in several sizes and warranted by responsible concern. Write today for free catalog, prices, and our original Trial Plan.

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A few birds in broken colors, three pairs for \$10.00  
Stock birds \$5.00 to \$10.00 per pair.  
Show birds a matter of correspondence.

WRITE US YOUR WANTS  
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### The Pacific Coast Maltese Hen Pigeon Lofts

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and Save Feed Bills!

HENS can't lay, unless they have egg-making materials in their food.

Green bone fed raw, has more than four times the egg-making value of grain, because it is rich in "protein," lime and all elements that go to make eggs, bone, muscle and feathers.

That's why it doubles the egg yield—makes more fertile eggs—bigger hatches—stronger chicks—earlier broilers—larger market fowls.

### MANN'S Latest Model Bone Cutter

Cuts all green bone, with all adhering meat and gristle, easily and rapidly.

Any one can use it, because it automatically adjusts the cutting to the operator's strength.

It never clogs nor leaves chunks or splinters.

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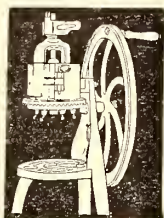
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To prove what it will do, we will send you one  
**ON TEN DAYS FREE TRIAL.**

If it works as we say, buy it after trial. If not, return it at our expense.

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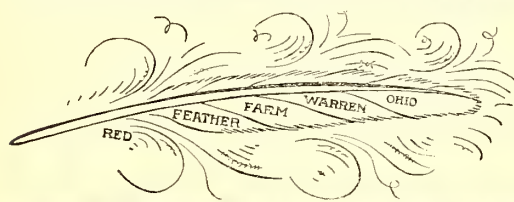
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40 scored from 90 to 95 by Orr and Sites Mated for the 1907 Egg Trade.  
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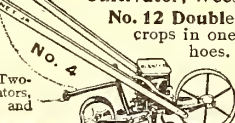
Every Planet Jr is practical—guaranteed to do the work with least effort, and most benefit to crops. Planet Jrs. do the work of three to six men and keep on doing it for years.

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Planet Jr line of 45  
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Breeders of BARRED PLYMOUTH ROCKS Only

Have been breeding them for eleven years. Have raised hundreds of prize winners and have a show record not equalled by any other breeder in the South. 100 Cockerels and Pullets for sale at low price. Eggs from best matings for delivery in April and May, \$2 50 per setting of 15.

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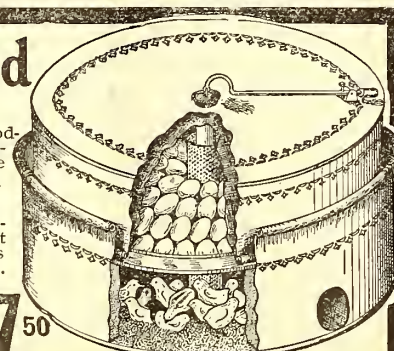
AT SAME TIME

Here's a new thing—a complete hatcher and brooder, one machine that performs both of these operations at the same time and does both well. The

### METAL MOTHER Brooder-Hatcher

is a long step ahead of all others—the most remarkable invention in the poultry world. With it 2 qts. of oil hatches 50 eggs and broods the chicks—brood one batch while you make another hatch. Our nest system enables you to do this. A time-saving, labor-saving, oil-saving machine complete for \$7.50. Free catalog—tells how it works. Regular Cycle Hatchers and Brooders at \$5 each are great favorites. Write today.

CYCLE HATCHER CO., BOX 417, ELMIRA, NEW YORK



## Science of Breeding

By T. F. McGREW

### Single and Double Mating Compared



WE IMAGINE there is no one subject so thoroughly considered, so continually thought of, and so improperly applied, as the plans of pairing poultry for best results.

Often the argument presented for and against the plans of mating poultry lead one to imagine that the subject under consideration was not bringing two together for the production of a certain desired thing. Almost every one who enters into this argument adds to its consideration the requirements of the Standard and draw therefrom deductions to suit their individual opinion.

The Standard of Perfection has been carefully built, constructed, reviewed and improved for over thirty years. The result of the most careful consideration of those best able to judge is the compilation of the present Standard of Perfection, which tells us what the points of excellence in a specimen must be so that it may win honors when passed in review of judgment in the application of the demands of the Standard to that individual specimen. These are the existing conditions.

To meet these conditions, specimens must be produced that will come within Standard demands to a greater or less degree, if one hopes to be successful in the show room. Just how these specimens may be produced is the question under consideration. The standard having been created, we may as well drop the argument, pro and con, as to the propriety of same, and set ourselves to produce the specimens that will conform thereto. To do this we must study the ins and outs of every possibility, and take advantage of every single thought that presents itself which seems to increase the possibilities for success.

No other fowl has ever created within the fancier's breast an equal ambition to excel as has the Barred Plymouth Rock. No other fowl is more difficult to produce of the finest qualities. No other fowl produces so few specimens of the highest excellence, in no other breed or variety is the whole product so valuable in the average as the Plymouth Rocks. This popularity, this unusual value, this unusual desire to excel in them has been largely created through continued public statements and illustrations of their desirable qualities.

To produce these, one must resort to one of two methods known to the fancy as single or double matings. Even single mating is not thoroughly understood. Many imagine that placing together a dozen females and a male in a single pen constitutes single mating, because there is but one male with one set of females in a single pen. Properly defined single mating refers to the producing of the highest grade of quality from a single male and a single female that have been mated alone and together. One may have twelve hens in a pen, each one

of which may have a different characteristic, a different shade of color and distinctive markings each to itself. These twelve different characters of females, if all mated to one male, become twelve matings and not a single mating. Some one of the hens in such a pen might be capable of producing high-class male birds coupled with the sire in the pen. Another might produce good females from the same mating, but this would not constitute the producing of both males and females of exhibition quality from the same single pair.

Let it be thoroughly understood that single mating means just what it says—that is, the production of the very best of exhibition quality from a single pair, one male and one female. Whenever this has been accomplished with any breed or variety, then and only then may the fancier say that he has been able to produce a male and female Barred Plymouth Rock from a single mating. Until then, depend upon it, the problem of producing exhibition Barred Plymouth Rocks from a single mating has not been solved.

The necessity of double mating comes through the channel that compels us to contend with the laws of nature and produce a male and female of the same shade of color. In comparison with this, what an endless task would be the production of a pair of red birds, both the male and female having the same color? Who would attempt the production of a pair of Golden Pheasants, the female of which would be clothed in the same beautiful plumage as the male? While such a proposition seems laughable when first considered, it is scarcely more difficult than was the production of males and females of the Barred Plymouth Rock of the same shade of color.

To do this, one must solve the problem that governs the color of this breed. Being, as they are, three-fourths dark and one-fourth light in the color pigments of the blood, there is a task presented that demands the unnatural controlling of color influences in reproduction and in blending the color in the matings after a fashion that will produce the most desirable shades, bars, blendings and markings under Standard demands. To do this, many plans were made. Some claimed to have solved the mystery through single mating. In our writings of 1898 and 1899, we made the statement that we believed this problem could and would be solved. We yet believe in the possibility of its being done, but doubt very much whether there will be sufficient time, pains and labor applied to the proposition to work it out. Those who have made the attempt have fallen by the way-side, having become discouraged from the fact that those making use of the double matings seem to advance faster than they.

It should be remembered that present conditions have been created through the continued application of the double mating principle for at least twenty-five years.

Bent's Milk Albumen makes early layers. 1f



## Science of Breeding

Continued from page 12

To undo all this and change the entire line of production would take at least one-third as many years as has been expended in building up the double mating system. The patience of those who have attempted the single mating system has always become entirely exhausted before their work has been completed. Perhaps the most successful breeder of Barred Plymouths Rocks was Mr. Bundy, now of Buffalo, N.Y. In a recent conversation with him, he told us that he had always made use of the single mating system. Those who remember the beautiful specimens produced by him will willingly admit that up to that time he was most successful of all. Having dropped from the fancy for ten or twelve years, he returned again to take up the thread and to prove, if possible, the possibility of producing some of better quality along the lines of his former plans. Even he, up to the present time, has not succeeded to his own satisfaction, showing that the influence infused into the past strains by the methods of double mating had so changed the possibilities, that it would take years to reverse the blood currents and bring them back to a position that would make possible the production of excellent specimens from the single pair.

Double mating in Barred Plymouth Rocks refers to the pairing together of a male bird of the highest exhibition excellence as to color with females bred in the same blood lines as himself. Such females are always much too dark for exhibition purposes. These very dark-colored females mated to the standard-colored males produce the highest excellence in Barred Plymouth Rock males for exhibition. Some breeders make use of lighter colored specimens in the female line than do others. The law that governs production has willed it that the darker the female may be that is mated to a certain colored male, the darker will be the product therefrom. When the darker exhibition specimens are mated to hens of their own blood lines, the hens grow darker and show the metallic shading on the surface. When the males are lighter in color, naturally the females from the same strain will be lighter in shade. From such matings will be produced males of a lighter shade of color and a clearer surface and undercolor than will be males from the darker matings.

Along the same lines are produced the exhibition females. The matings for these are made, using the finest and most delicate colored exhibition specimens. Males bred in the same blood lines will be so light in color as to scarcely show distinct parallel bars. Indistinct bars, if perfect and true, are considered valuable pullet-bred males. Those who make use of the lightest and most indistinctly barred specimens in the male line mated to the clearer colored females, produce the very light-colored exhibition pullets. Those who make use of the more distinctly barred males mated with the females of excellent or exhibition color produce the darkest colored pullets. Drawing your own lines with mating with these rules laid down, you may almost govern to

your own will the shade of color that will come with your pullets. The light pullets that seem to have been most desired for the last few years in the larger shows of the country have been produced through the extreme inbreeding of light colored females and the very light colored males. Any one may govern and control these shades of color simply by remembering that the darker the male and the darker the female, the darker the offspring will be, and the lighter the male and the lighter the female, the more delicate will be the shades of color.

In our November issue of THE FEATHER, under "Breeds," we told more of the color lines and the color demands for the production of Plymouth Rocks. That coupled with this should give to the merest amateur information sufficient to start him along the lines of the production of proper color and barring in Plymouth Rocks. Over and beyond this, nothing but experience and the practise of matings will make possible the production of the highest class exhibition specimens. Start right with a good selection for the beginning, build up your own blood lines, and continue along the lines of mating as previously described, and you must finally succeed, providing you give due care and attention to the work, and do not become weary or tired of the long-drawn out period that is necessary for building up a strain.

## Layers

The selection of the best laying hens may be made in several different ways. If you know that the mother hens were fine egg producers and the pullets have the appearance of having the same formation of the body, as the parent hens, it may be reasonably well expected that the pullets will be fine egg producers.

There is, however, one almost certain sign that may be safely used in selecting laying hens. Look for a full, well-developed breast and crop, showing a large pocket in which to carry the food supply. A full, well-developed crop and breast gives assurance of strength and vigor, and the ability to consume a sufficient amount of food to sustain the body and produce the eggs. It is the same as with the cow. A large, full, round body indicates the possibility of a large food consumption. A large, well-developed udder, with properly shaped teats, is evidence of a fine milk production. In the selection of a cow these indications would guide. In the selecting of a hen very much the same reasoning must be made use of. She must have the ability to consume a large amount of food and the body and abdominal proportions to handle, manipulate and transfer into the general make-up of the body and the egg production.

**Bent's Milk Albumen**  
(Dry Skim Milk) 43 to 50 per cent. Albumenoid Protein.  
Originator Milk Food for Poultry.  
Greatest ANIMAL FOOD Known

**Special Offer for February Only.** FREIGHT PAID. New York and Maryland Stations say: "More palatable and healthful than animal meal." A. C. Hawkins—"A great egg producer." C. H. Latham—"Best thing on the market." W. L. P. Yards—"Shelling out the eggs, superior to beef scraps." Gardner & Dunning—"S. tied it is a good poultry food." C. H. Wyckoff—"A healthful food; gaining confidence in it every day." H. R. Applegate—"Twelve pounds makes 100 eggs where 10 pounds meat meal makes 65." Price 45 per ton 200 lbs. or over, freight prepaid east Miss. Riv. during February. \$2.50 per 100. Send postal to-day for free sample and folder. Agents wanted. Ask your dealer.  
THE BENT-CROISSANT CO., Main Street, Antwerp, N. Y., Sole Manufacturers. tf

## WHITE PLUME FARM

S. C. White Leghorns, White Wyandottes, Pekin Ducks. Winners at the leading New Jersey shows. Fertility of eggs guaranteed. Eggs, \$1 to \$5 per 15; \$5 to \$8 per 100. Little chicks, 10c to 25c each. Cockerels, \$2 to \$5 each. Send for 1907 mating list.

F. D. HILL, Prop.

Westwood, N. J.

12-7

## Baby Chicks

With Brooder, complete, and eggs for hatching from Single-combed White Leghorns. Also White Pekin Duck Eggs. Write for circular.

WHITE FEATHER POULTRY YARDS

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## LIME ROCK

White Rocks are what you need if you want stock bred both for fancy and utility. Egg orders booked now from Prize Matings at \$2, \$2.50 and \$5 per 15. S. C. White Leghorn eggs, \$1 per 15, nine chicks guaranteed from each setting or eggs replaced at one-half price.

Emory Moyer

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## 650 PRIZES THIS SEASON

On our birds at the different shows. We breed all varieties of Poultry, Ducks, Geese, and Turkeys. Write us your wants. Satisfaction assured. Prices the lowest.

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In Poultry business. Others do it. Why not you? Our big illustrated book "Profitable Poultry," tells how to breed, hatch, feed, grow and market to make lots of money. Starts you on the road to success. Describes most wonderful Poultry Farm in the world—32 kinds of fowls. Gives lowest prices on fowls, eggs, incubators, everything for Poultry. Mailed for 4 cents in postage. Berry Poultry Farm, Box 77, Clarinda, Iowa



## HOW TO MAKE POULTRY PAY

is the greatest book published on Poultry and is attracting attention. It contains 116 pages also 9 beautiful color plate reproductions from oil paintings. 600 black and white illustrations representing over 80 different breeds. You can get it FREE. Address INLAND POULTRY JOURNAL, 16 Cord Bldg, Indianapolis, Ind

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A fine lot of cockerels and pullets for sale from my famous

World's Fair Winners

Also two fine cocks. Pure nuggets. Satisfaction guaranteed. Eggs, \$5 per 15. Three grand pens of solid Buff birds.

H. P. MASON, Fayette, Mo.

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## Brooks' New Cure

FOR RUPTURE  
Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No lymph. No lies. Durable, cheap. Pat. Sept. 10, '01. SENT ON TRIAL. CATALOGUE FREE. C. E. BROOKS, 3107 Brooks' Bldg. MARSHALL, MICH.

## BIG PAY FOR NAMES

Send us 25 cents and the names and p. o. of 15 good farmers, and we will send you for 2 years the Farmer's Call, a weekly farm and home paper. Est. 1880. 1,200 pages a year. Extra good Household and Children's depts. Address

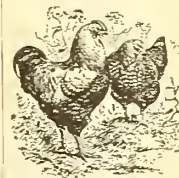
FARMER'S CALL

QUINCY, ILL.

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BABY CHICKS and DUCKLINGS  
Now is the time to order little chicks and ducklings for spring delivery. Write at once for catalog. S. A. HUMMEL, Box J, R. R. 1, Cromwell, Ind.



## 1907 CATALOGUE FREE

Illustrates and gives prices of 45 leading varieties land and water fowls and eggs. Every person interested in poultry for pleasure or profit should have this free book.

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White Wyandottes, S. C. W. Leghorns, R. I. Reds, Barred Rocks and Mammoth Bronze Turkeys. Utility and exhibition matings; highest quality; lowest prices; eggs for hatching a specialty. Stock for sale. Satisfaction guaranteed; catalogue free.

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Bantam Brahma Eggs.....\$1 to \$2  
Per Set, Duck Eggs.....\$1.25 per 11  
Toulouse Geese Eggs.....40c. each  
Every egg guaranteed to hatch. Catalogue Poultry free.

Mapleling Poultry Yards

PULASKI, N. Y.

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## We Extend to You Our Whole Hand

On all orders for eggs received before March 15, we will accept \$1 cash per setting, the balance of regular price to be paid after you are satisfied with your purchase. Regular price of eggs \$1.50 to \$2.50 per 15.

We breed 40 varieties of Cochins, Brahma, Rocks, Wyandottes, Reds, Minorcas, Polish, Leghorns, Games, Andalusians, and Langshans.

We trust you while you trust us. Send order at once or ask for a catalogue.

## Cloister Poultry Farm

Ephrata, Pa.

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## World's Greatest Layers!

America's Best "Utility and Beauty" Strain.

Barred Plymouth Rocks.

The strain that has won recognition on its merits and has grown in demand by leaps and bounds, possessing the finest reproducing blood in the country, that has been built up by years of careful and proper selection.

Bred since 1896 for vigorous constitutions that can stand the strain and produce the greatest number of large, brown eggs and also win you the highest "honors" in the "Show Room," as letters from my patrons prove. Eggs for hatching, \$2 for 15; \$5 per 45. Satisfaction guaranteed.

D. D. MARVELL

Woodbury Heights, N. J.

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## FARM POULTRY YARDS

15 EGGS \$1.00  
30 " 1.75  
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## Home-made Lice-killers



OF THE poultry, during the hot days and nights of summer there is nothing so annoying as the insect vermin. No excuse really exists for having them when cleanliness is such a sure prevention. We have gathered from several sources preparations recommended by those of experience as splendid preventatives against insect vermin.

First of all, one must understand that the interior of the poultry house must be dry, with the floor free from dampness, and ceiling, sidewalls, nest boxes and roosting places carefully cleaned. When this is done, there are several applications that can be used that are absolutely certain to remove all possibilities of the presence of insect vermin.

Personally, we will not advocate the use of whitewash, but we present the application of same as one of the plans recommended. Lime wash is made as follows: Stone lime, slacked at the time it is to be used in the very water with which it is mixed. This makes the most efficient lime whitewash. If applied hot, so much the better. Always mix into this plenty of salt. Some recommend the addition of crude carbolic acid. We do not believe that this is of the least value when applied as part of the whitewash. Whitewash never did, and never will, destroy insect vermin in a poultry house. It is a good disinfectant, improves sanitary conditions, and only kills such insect vermin as it comes in contact with and overpowers or drowns. As an exterminator, it has no value whatever, but it does improve appearance.

To destroy insect vermin, nothing equals the spray—the pump that is made to spray the liquid that is used into cracks and crevices. The following solutions are all to be made use of through the spray. The spraying of any one of these preparations thoroughly into all cracks and crevices, into the nest boxes and about the roosts once a week during the summer will absolutely remove all possibility of insect vermin. If this is used and the vermin remain, you may know that the application has not been well made.

Crude petroleum used by itself, or mixed with some coal tar, about one-fourth tar to three-fourths crude petroleum makes a very efficient material for spraying.

One-half kerosene oil, one-half coal tar, thoroughly mixed, makes an efficient spray. If you will add to this a pound of moth balls or crystal moth flakes made of the same material as the moth balls, one pound to each gallon of the above, you will have a more efficient destroyer.

Into each gallon of kerosene oil dissolve or mix one pound of moth balls. This evaporates quickly and proves very destructive and very searching when used in the spray for destroying the vermin that seek shelter in the cracks and crevices of the poultry house. Any of these are most efficient remedies for the trouble. After the interior of the house has been well whitewashed, if you will follow this up with the spray, blowing into every crack and crevice the spray liquid, also into the nests and upon the roosts, the vermin and their eggs will be destroyed. If the roosts are gone over with a liquid lice paint about 4 o'clock each afternoon, twice a week for a month, and once every two weeks thereafter, there will never be any lice upon the fowls or within a henhouse that is treated in this manner. These treatments are better than insect powders of any kind. At the same time the hen placed upon the eggs for hatching, and those infested with lice may well be dusted with insect powder to destroy the vermin.

## Selling Your Poultry

In selling your poultry, it is well to study the market and conclude whether it will be sold live or dressed prior to sending to market, and the locality in which it is sold should have equal attention—as, for instance, the market in Washington consumes on the average of about one thousand turkeys per day during the winter months. On the other hand, one-tenth of this amount will provide the wants of the city out of season. How foolish it would be to ship a lot of turkeys out of season to a market where it would be difficult to dispose of them. It is thought that about three to five thousand chickens are consumed daily within the District of Columbia, or, in other words, twelve thousand pounds, one thousand pounds of ducks, and one-third as much in geese will be consumed daily nine months of the year. This is reduced nearly one-third during the summer months. The consumption of eggs and butter varies about the same. Those who ship to market should be thoroughly well posted as to the demand of the market, where to send their stock, and should avoid shipping it where there may be a surplus where it will reduce the value. Above all things, have your poultry and eggs go into the market in the finest condition, whether sent live or dressed. Whenever it is possible to sell your poultry to a nearby firm that makes a business of carefully dressing and sending to market, it is usually most advantageous to sell near at home.



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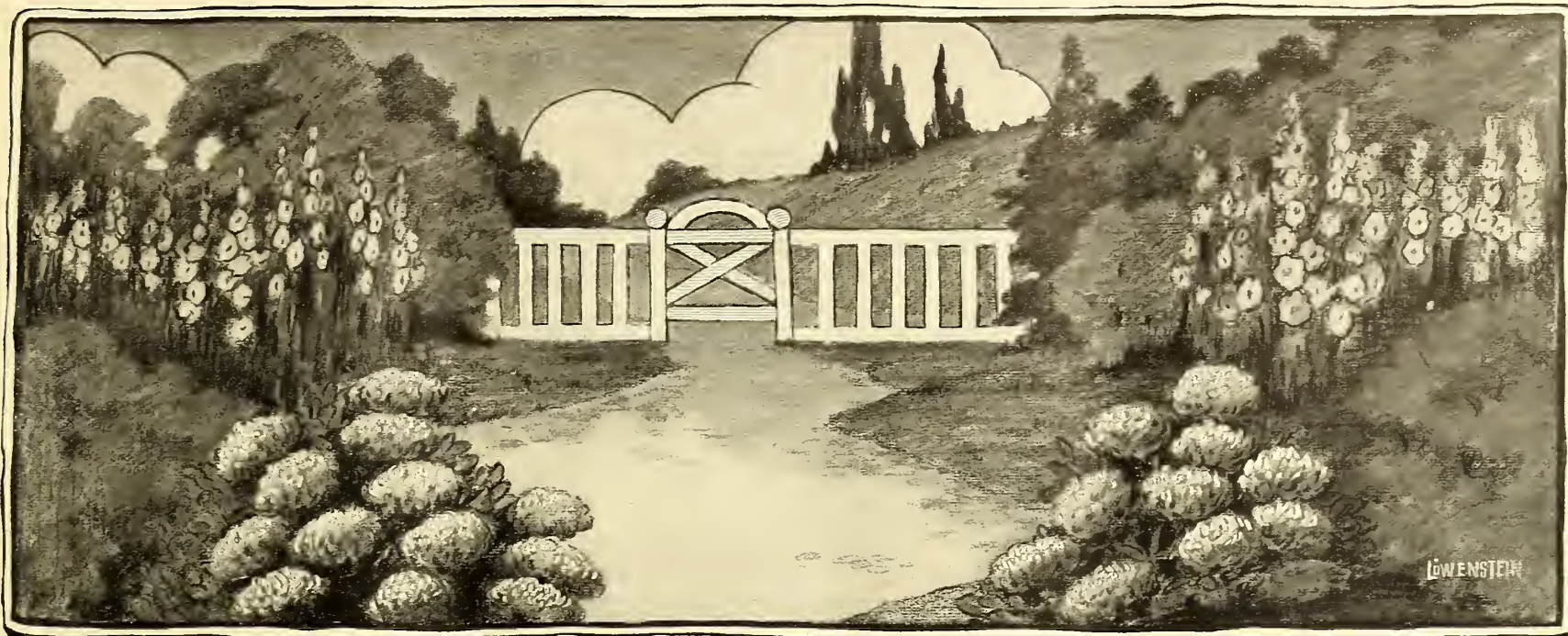
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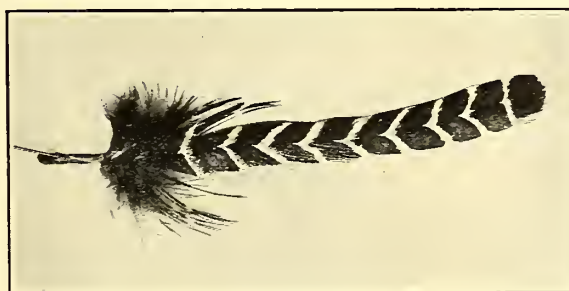
## The Present-day Campines



RECENTLY interest has been revived in the Campines as an exhibition fowl. The Campine Club of England has done much to bring this breed into prominence in England. Quite a number of years ago the interest was so great as to induce the American Poultry

Association to admit the Campines, Golden and Silver, to the Standard, we think, at the Chicago meeting of 1893. Not having proven of sufficient interest to the fanciers of this country to bring even a small representation of them into the show-room, they were dropped, we think, at the Boston meeting of 1898, from the Standard. If any one imagines that the Campine is a new breed, they are far from the facts. Mr. Brown, of England, states in his book, "Races of Domestic Poultry," page 113, as follows:

"It is generally admitted that the race we now know as Campines is of great antiquity, having been bred in the low countries for centuries. One author says: 'That they exactly answer to the G. turcica, the Turkish fowl of Old Androvan-dus;' while another states that 'by tradition, it dates as far back as 1206.' It is probable that fowls of this type were common over a great part of Europe, and as our poultry came from the East to the West, the suggestion as to the G. turcica has much to be said in its favor. Such divergencies of type as are met with often in Belgium, where both rose- and single-combed fowls of Campine character are found, are to be expected in the absence of any other standards, and where the economic qualities are the primary object. In this instance we have a breed which can claim purity of race for a very long period—one of the few to be met with. Practically, that is all we know of it. The name given to the race is derived from the fact that it is so largely bred in the Campine country—that is, the dry, sandy plain lying between Antwerp and Hasselt, in the provinces of Antwerp and Limburg, a dis-



STANDARD SADDLE HACKLE NOT FULLY GROWN

trict where activity of habit is essential of any breed, as the amount of natural food available is comparatively small under such conditions, small size of body would be expected. At one period the Campine was almost universal, but of late years, to meet the demand for table poultry, another and larger race has been introduced—the Malines."

Under date of August 18, 1906, we received a letter from E. Lewis Jones, Knighton, England, who is the secretary of the Campine Club. In this he stated that, so far as he understood the American poultry world, Campines ought to become very popular here. He thinks that their prolific egg-producing qualities would make them attractive to us. Campines, he states, would make lovely broilers as they understand the broiler business in England. With the same letter, he forwarded the Campine Club year-book, and requested that we copy therefrom the words of Mr. H. Boulton, one of the most successful Campine breeders of England. We give below, in full, Mr. Boulton's article on the Campine:

"It is not the intention in this article to attempt a history of the Campine fowl, but just to give a few of its general characteristics, and to embody a hint or two that may possibly be of interest, and of use, to those unacquainted with the breed.

"Campines are supposed, by authorities, to be of great antiquity; but from where they originally came appears to be lost in doubt. Suffice it to say here that they have been known for a long while as the great egg-producing breed of Belgium, from which country they found their way over to England.

"From the utility standpoint, Campines are essentially an egg-producing breed, and make no pretence to table properties—that is from a commercial point of view—although for quality of flesh, thin skin, and fineness of bone, they are hard to beat; and they also carry a good amount of breast meat.

"They lay well all the year round, and in winter are not affected by the severe weather so much as some other of the non-sitting varieties. It has been often stated that Campines lay a small egg, and they have been much disparaged on this account. This is a libel on the breed, at least as far as my experience with them goes, which extends over a period of five years, during which time I have bred Silvers in large numbers, and have always found their eggs of a good marketable size, quite as large or larger than some much-boomed breeds. No doubt there are strains of Campines, as in other breeds, they lay small eggs, but this can be easily remedied by careful selection.

"The eggs, too, are produced at a very little cost, the birds being such small eaters, and if they have a free range the corn bill will be still further reduced, and the eggs in these circumstances will be of remarkable richness.

"They are wonderfully active and prolific birds. The eggs prove exceptionally fertile, and hatch out well. The chicks are very precocious and feather quickly, and the pullets as a rule lay at about five months old. I have often had birds laying at four months old, and cockerels crowing at five weeks! This early maturity of course means quick profits. It is advisable, though, when only egg production is the object in view, not to hatch too early, or the pullets, after lay-





CAMPINE AND PARTRIDGE WYANDOTTE MALES

ing in summer and early autumn, will very probably go into molt, and thus their services as egg producers during the months when the eggs are dearest will be lost. For utility purposes solely, then the latter half of March, through April, and the first half of May, are suitable times to hatch.

"For confined runs Campines have been objected to on account of their flying propensities. They certainly can fly, but it doesn't follow that they necessarily will. It is much a question of treatment. If one goes bustling and bouncing in and about the run, the birds probably will stampede, and some may clear the wire fence—as would the heavier breeds under similar treatment if they could. If you move among them quietly and tactfully, avoiding 'jumpy' or 'jerky' movements, there will be no difficulty, and in a few days they will be quite at home, and most confiding.

"In mating up pens for breeding, more attention should be given to size than has been done in the past. But in aiming at increased size, anything approaching a coarse-boned, angular, flat-breasted type should be rigorously avoided.

"Avoid also the narrow-barred bird. This type, unfortunately, is often awarded prizes at shows at the expense of more typical birds, and thus outsiders are apt to get a wrong impression of what a Campine should be. The all-round judges are to blame for this, many of whom, by the way they place the awards, would appear to have never seen a copy of the Campine standard of excellence.

"To maintain and still further increase the popularity of the breed, much requires to be done on the part of all members. Apathy inevitably means decline. Persuade your friends to take up the breed and join the club. Support classes where provided at shows. Guarantee classes. Assist the fund of the club as far as possible. Take advantage of every opportunity to advertise the breed. And thus assist the club in the good work it is carrying on."

The above gives in his own words the opinion of an expert relative to the value of the Campine. Another prominent expert, the Rev. J. N. Williams, speaks in the highest terms of this now prominent breed, and says, in reference to the barring, that it is questionable whether the broad or open barring of black and white should be encouraged. He, as a breeder of Hamburgs for many years, thinks that perhaps this is not correct. Many articles have been written, pro and con, relative to this matter. We imagine

that the Campine Club will be apt to stand by their standard, which says: "The bars should run straight across each feather, and should be at least four times the width of the white ground color." The illustrations sent us of prize-winning specimens illustrate heavy dark barring.

Under date of November 27, we received the second communication from the Rev. E. Lewis Jones, in which he encloses the following relative to the Campine, all of which must prove interesting to those in this country who are inclined toward this breed of fowls:

"The home of the Campine is to be found in Belgium, in the district known as La Campine or Kampenland, which is a sandy heath or moorland stretching from Antwerp to Venloo. Here we find three varieties which present many similar points in markings so that we conclude that they are derived from one parent stock, the difference being accounted for by selective breeding and environment. The varieties are the Braekel, a large bird with single comb and coarse markings; the Rose-combed Campine, which is the parent of the Silver-penciled Hamburg, and the Single-combed Campine (sometimes also called Braekel), which is the parent of our Campine. The two latter are smaller in size than the Braekel and with finer markings and indeed are

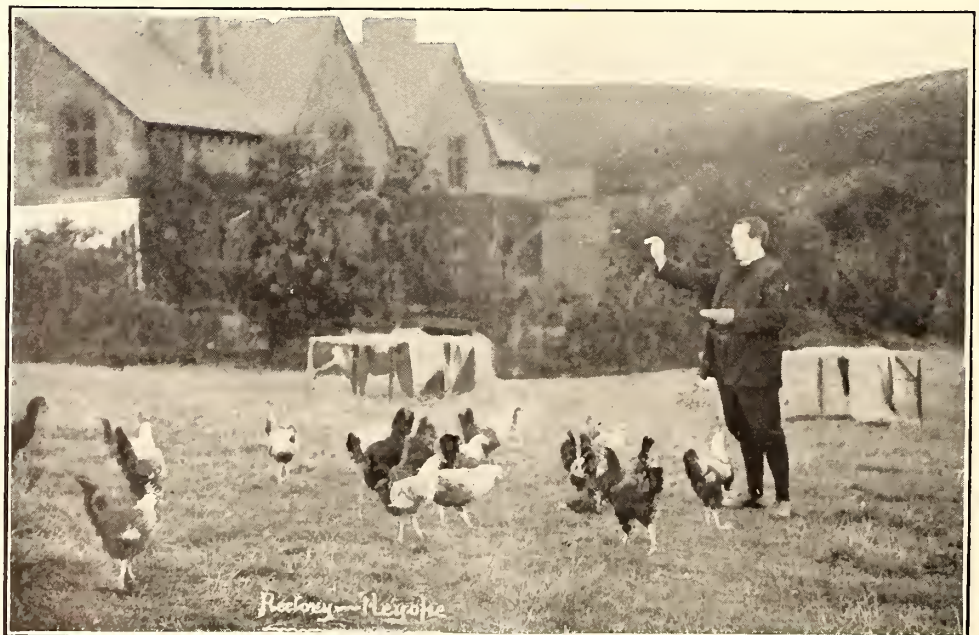
very like one another, the great difference being in comb. The English Silver-penciled Hamburg has considerably decreased in size since its importation; the Campine, on the other hand, has increased. The birds have been bred in La Campine for many centuries, so that this is not a modern 'made' breed, but an old one. The ancestors of our Campines have been bred almost solely for egg-laying, so it is no wonder that the Campine is a prolific layer of large white eggs, the average bird laying two hundred eggs a year, each egg of the adult hen, and that of most pullets, weighing over two ounces. The Campine is acknowledged on all hands to be second to none as a layer.

"Another result of this special breeding is the early maturity of the birds. The chickens can be killed at eight weeks old, and will make a delicious morsel. The birds are plump, and so carry a lot of breast meat of first-class quality; in this they remind us of partridges. The birds are well boned, and so at any age they yield a greater percentage of meat than other varieties. There is no doubt about their excellence as table birds when young, for those who, like myself, breed them for their own table, or who have select customers who place quality in front of mere size, this early maturity is a source of profit to their breeders.

"The birds are tractable, and with proper treatment will become very tame and quite as easy to manage as the heavy breeds. They are small eaters and excellent foragers, if allowed a free range. They will also thrive well in small runs. One of the successful exhibitors in England is a working man whose birds are always confined in small runs. He writes me to say that the production of eggs is not at all impaired by confinement.

"If they can live and thrive in La Campine, they ought to be able to thrive anywhere, and so they can. Mine were for three years in a hollow on damp, clayey soil, they roosted in open sheds all the year round, they laid eggs as well as ever, and produced a first Dairy cockerel, not to mention successes at smaller events. There can be no doubt as to their hardiness or their ability to do well under circumstances which an expert in poultry would condemn.

"The eggs hatch out well, being very fertile; and the chicks are easy to rear. If you want a large-sized bird, you can get it by very carefully retarding maturity, when the chicks are four to five weeks old, by taking care that the feed-



RECTOR JONES FEEDING HIS FLOCK

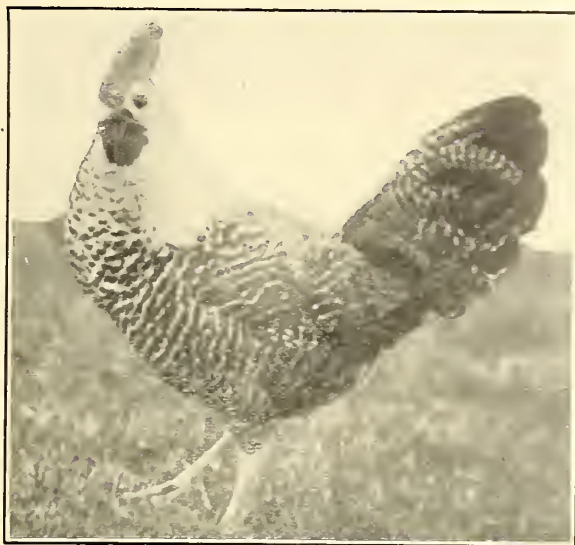


ing is not forcing, by not allowing the brooders to be too hot, or, if with a hen, and weather permits, by removing the chicks from her at that age.

"Though the Campine is the utility fowl 'par excellence,' yet the beauty of its plumage and the gracefulness of its carriage have made it an ideal bird for the fancy, and a club was formed a few years ago, which has drawn up a standard of perfection. According to this standard the ideal Campine cockerel is a bird barred all over, except neck-hackle, which should be silvery white; it should be furnished with a good flow of well-barred saddle-hackles, tail coverts and sickles, and with black hen tail. It has a single comb, a dark eye, white ear-lobes, and leaden blue legs. This bird differs greatly from the Campine which was introduced into England some eight years ago, which was a white-top bird with a black tail. The ideal bird has not yet been bred, and in the show pen may be seen birds in the various stages of progress toward the ideal; some with a clear wing and top, but without properly developed saddle-hackle; others with top not clear and saddle-hackle with very rudimentary barring. This year's birds showed an enormous advance on those of preceding seasons, and we are looking forward confidently to realizing the standard the coming or the following season. Owing to the facts stated above interest in breeding is very keen, every fancier hoping to outdistance the rest. In pullets far greater advance has been made, and the standard has been very nearly reached. The difficulty in breeding pullets is to get barred breast, clear top, and white neck-hackle in the same bird. Any two of these points are easy to obtain, but the three together is quite another matter: in fact, I have never seen one. The coloring and marking should be the same as in cockerel. The standard was purposely made the same in both to avoid double-mating.

"We have spoken above of the beauty of the plumage. Across the feather runs a broad black bar which has a beautiful beetle green sheen, and between these black bars runs a much narrower bar of pure white. These bars should run in rings round the body, and pullets show them. The regularity of the rings and the contrast between the green sheen and the white render the bird a beautiful object, which must be seen to be properly appreciated. The black bar should be four times as wide as the white, and the feather tipped with white.

"The successful breeding of Campines requires a well-barred male of rich body color and even markings, such a bird was this year's Dairy winner, and there is another good breeder illustrated. The bird should be mated to large-sized pullets, clear and open in their markings. Avoid brown-black and dirty white.



AN IDEAL CAMPINE MALE FOR PRODUCING EXHIBITION STOCK

"So far Silver Campines only have been described; there is also another variety, the Gold, but it is not often met with. The standard and description is the same as for Silvers, merely reading 'gold' for 'white.'"

From the standard point of an American fancier, the Campine would be described as a Single-combed, penciled Hamburg of rather indifferent color and markings as compared to the Penciled Hamburgs of the best American quality. Recent illustrations made by Mr. Ludlow and others show the Campine to be of greatly improved form; the male a beautiful white top color, barred like the female in underbody color; a full black tail, in shape and carriage much like the Hamburg; tail furnishings barred like the underbody color. The female has white hackle; the balance of the entire body barred the same as our Penciled Hamburgs. Both the males and females have combs more like the Minorcas than the Leghorns. Photographs of the Braekels show them to be almost the same as the Campines. This peculiarity Mr. Brown refers to as above quoted. We should imagine the Braekels were all of the same general make-up, perhaps all of them from the same original, having been transformed into the several types and influenced by their environments and attentions as directed by the fanciers who had in hand the forming of type, color and marking.

We have been told by some of those who handled the Campines in this country a number of years ago, that it was not unusual for the Hamburg type of comb of inferior quality to be bred from the Single-combed Campines.

The Sussex fowl of England as described in our December issue by one of the most prominent experts in that variety, the present presenta-

tion of the Campine from two of the leading fanciers of these fowls abroad must prove attractive to our readers. We hope to be able from time to time to present more direct information on other unfamiliar breeds, those that are popular in other lands. We did not intend to omit from this list the information relative to the Sumatra fowl. The fanciers of this country, however, are really more active in handling the Sumatra than our neighbor fanciers of England. The present interest in the Sumatra makes it a fowl of more than ordinary international interest, and it is to be hoped that the fanciers of both countries will come closer together in an understanding of what should be the most attractive features of type, color and marking for all of these breeds that are now in their infancy so far as present-day exhibition qualities are concerned. It is to be deplored that the English type of our stately Brahma, valuable Plymouth Rock and Wyandottes, and the great Mediterranean varieties are so different; that all do not strive for the one individual type is undoubtedly a mistake. We imagine that the American Leghorn would prove equally unattractive in England as do the English type when brought to this country. However, it is a pleasure to be able to record the fact that American White Plymouth Rocks were able to win the honors in the greatest English poultry exhibition of the past year. This may lead to a closer union among fanciers of both countries relative to both American and English fowls.

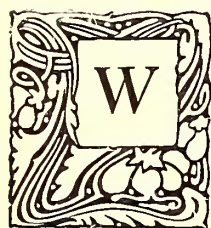
We of this country imagine the Campine to be even smaller in size than our Leghorns. The illustration of the two lots of cockerels, part of which are Campines, the balance Partridge Wyandottes, conveys some idea as to the relative size of these two grown together at the same age. Some little time ago we saw ten or a dozen Campines that had just been imported from Belgium. These were fully as large as the general run of Wyandottes and Plymouth Rocks—not as large as the largest of these, but an average size as the Plymouth Rocks average when grown in numbers. This leads us to believe that the specimens we saw might really be Braekels. There is another breed mentioned above, the "Malines," which is also included in the group of Belgian fowls, colored somewhat like our Plymouth Rocks, which undoubtedly contain more or less of the Asiatic blood, proven by the fact that their eggs have shells of a pale brown color. We have noticed that some writers claim that these were produced through crossing the Campines with Brahmas. And these have been fostered with the intent of having the best egg-producing fowls and market poultry. Judging from what we have seen of all these, we do not believe that the Campine will ever supersede the Leghorn in this country, nor will the others surpass our American breeds for the purpose.





## A PROFITABLE INDUSTRY

# Squab Growing



WHEN the Editor of THE FEATHER saw fit to issue the book that has become famous the world over, known as "Money in Squabs," there was more than ordinary surprise shown in some quarters. Following this came the department for squab growing.

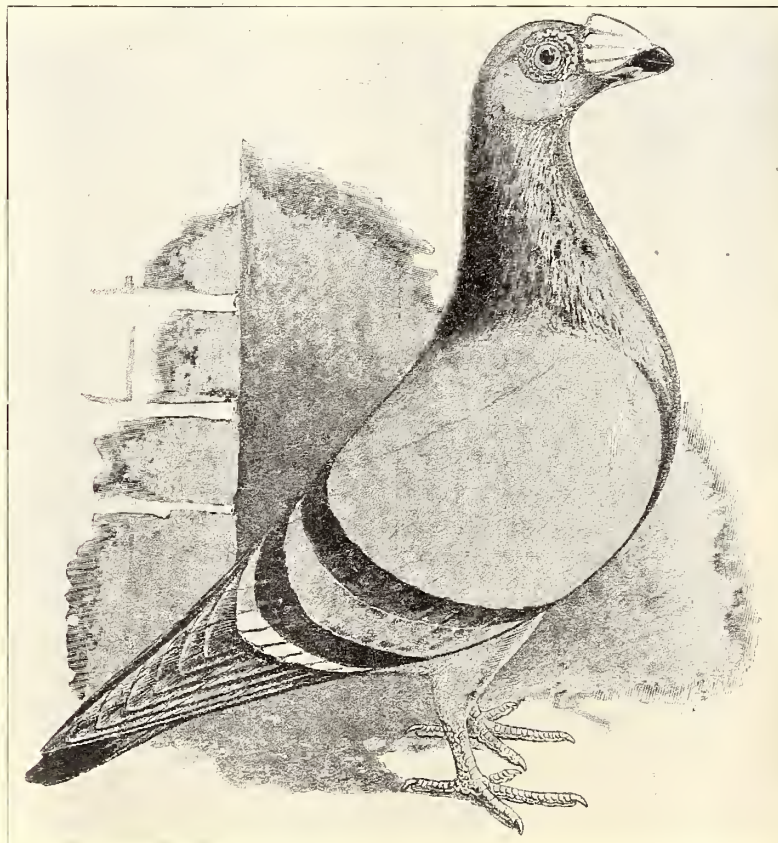
Some poultrymen now prominent before the country as experts in squab culture, gained their position through the efforts of the editor of THE FEATHER. To-day the book, "Money in Squabs" is sold throughout the world. The cultivation of squab growing has extended into many directions, and almost every paper devoted to poultry or agricultural affairs pays more or less attention to this feature of pigeon culture.

THE FEATHER is recognized in many quarters as the leading authority on squab growing. We brought forward the original literature of value on squab growing. We have told constantly of the dangers and stumbling blocks along the road to success. We presented the views of one of the best known English writers relative to European squab producers. We are pleased to notice that all of these have been taken up by other publications, even to selecting the same authorities to write on this subject. We shall ferret out others equally attractive, present their views through the columns of our journal, expecting others to take advantage of our selection and follow in line.

The season for mating and nesting the squab producers is now at hand. There are many features continually presented for the consideration of those already embarked in or contemplating running a loft of squab producers. Notwithstanding the fact that we have many times before given in detail a full outline for success, we deem it quite proper to take this matter up again at the beginning of the season, and to give our readers the full benefit of personal experience and information gained from many sources.

The most necessary feature after getting the proper loft conveniences, is the selection of strong, healthy, well-matured specimens as producers. The habit of using breeders under twelve months old is almost certain to prove disastrous. Immature females can not possibly produce large, well-developed squabs, nor can they be depended upon to produce squabs entirely free from disease and ailments of all kinds. Specimens not properly selected may produce young inoculated with roup or canker. Unfortunately, at least twenty-five per cent. of all the young squabs hatched never grow to a

marketable size. They either become inoculated with canker, or else their weakly, undeveloped parents contract atrophica, known as "going light," and fail to provide food sufficient to grow the squabs to full size—the size demanded for market squabs within the given period of four or five weeks. Whenever the young squabs do not mature to an average of nine to ten pounds per dozen under five weeks of age, there is something wrong that should be immediately remedied. Usually the failure of success can be located by the use of one or more facts that we shall describe in this article.



EXHIBITION HOMER

Unmated specimens in a pigeon loft are almost as destructive as the scourge of roup and canker. We have known one or two unmated specimens to destroy the contents of a dozen nests from daylight to feeding time in the morning. We should feel quite as safe with a pair of hungry rats in the pigeon loft as we could feel knowing that there was one or more unmated pigeons flying about in a loft of breeders actively at work. We do not imagine that any one can succeed in the profitable growing of squabs in any loft where odd or unmated specimens are permitted to fly about and disturb those intent upon the care of a family. Above all things, see to it that only mated pairs and working pairs are in the loft. Remember, that it is possible to

have pairs mated that are not intent upon their work. The combination of well-mated, active working pairs is essential to success.

In purchasing squab producers, it is quite proper that you should demand well-mated, active working pairs. Remember, that one might select twelve well-mated pairs and place all twenty-four of these in a basket, and ship them a day's journey, at the end of which, they might be so disturbed and mixed up as to have actually separated some of the mated pairs. If the seller shipped mated pairs, he has filled his part of the contract. If, however, he has sent other than mated pairs, he has failed in his part of the contract. We know that one of the most difficult problems is selecting male and female pigeons by sight. We also know to an absolute certainty that any one can select a mated pair when mated, and there is no excuse for sending unmated, odd birds when furnishing mated pairs is the contract.

We do not believe that it is possible for any one to furnish to an absolute certainty perfectly mated, working pairs at the small price some hope to secure them. Pigeons under a year old are unfit for producing squabs. It costs not less than a dollar to grow a pair to a year old. It costs in labor to select and mate them at least another dollar. Well-selected, well-mated pairs of squab-producers of the Homer variety as herein described by us should be well worth \$2.50 a pair or more. When these are shipped in hopes of the best and most successful results, they should be packed pair by pair along in a partition basket or box, and not fifty, a hundred, or more in one package, if the receiver of them hopes they will reach his loft, continue constant in mated pairs as shipped. We believe that if the shipper sends more of one sex than another in a shipment, he is to blame. We do not think that any blame at all can be laid to the shipper if he sends forward mated pairs in a large consignment if they do not reach destination as started. It is an almost absolute impossibility to make a shipment of mated pairs all together and hope to have them reach destination and remember their mates.

Undersized, delicate, weakly hens are the most disastrous scourge to the squab producers' loft to-day. Such hens create canker, atrophica, undersized and slow-growing young. One or two affected with canker or going light, as termed, may scatter disaster throughout the entire loft. One case of canker may inoculate the entire flock through drinking from the same fountain. The throat of every male and female producer as well as the mouth and throat of every young squab should be as zealously watched as would



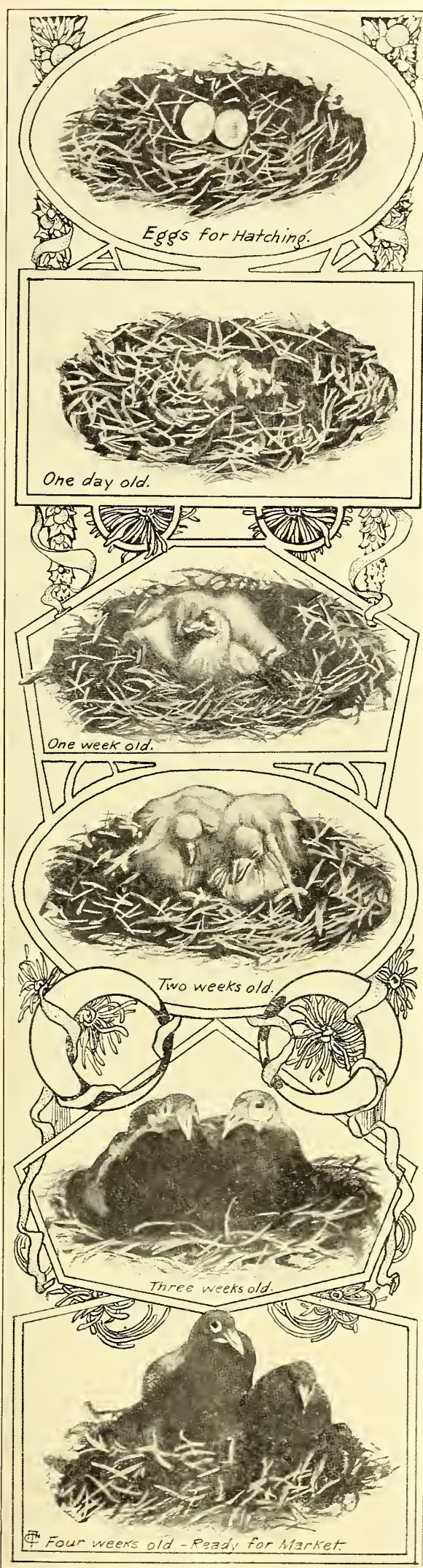
be a neighborhood by a Board of Health when a scourge of small-pox was continually breaking out. Absolute freedom from this kind of disease must be assured or failure will come to your efforts at squab growing.

A damp interior and the filth permitted to accumulate guarantees destruction in several ways. The damp interior creates catarrhal colds, which develop into roup and canker, and undermine the health of the entire loft. Filth poisons the air and becomes infested itself with disease germs, which in turn contaminate the nest boxes, nesting places and loft, communicating to both old and young ailments which destroy. A dry, clean interior, at a temperature below zero would be much more healthful for the old birds than would be a contaminated, damp interior with a temperature of 40 degrees. Clean, cold, dry, healthful interior will not injure the health of the old birds during the winter months. The other extreme, as above mentioned, would prove to be very destructive, even though the temperature might stand at 60 degrees.

As oft repeated in the columns of THE FEATHER, one of the most healthy, best producing and most profitable flocks of squab growers we are familiar with, is kept in a loft, the floor of which is covered five or six inches every spring and fall with dry earth from the farm. This earth becomes very dry, makes clouds of dust, and the interior of the loft is not as clean and attractive as one well cared for, but the dust prohibits the possibility of there being any insect vermin about. The interior of the loft being perfectly dry, the soil is always light and healthful. This is gone over weekly with a close-toothed rake. Before this is done, the shelves and boxes are scrubbed clean. All the dirt that the close-toothed rake will gather up is raked off and taken away. Other than this, no special attention is given to cleanliness. The earth gathers all the dirt. The droppings are quickly dried up with the dust and earth. When the nest boxes and shelves are scraped onto the floor, all that would produce an odor is gone. After the hatching of each pair, the nest pan and box is thoroughly cleaned so that there can not be any accumulation of filth. This would not be considered the ideal plan of caring for a loft, yet it is a successful plan that may be followed when a large number are to be cared for with but little labor.

The ideal way to keep a loft is to thoroughly cleanse the entire interior often as necessary. A little dry sand may be thrown over the floor. Short-cut straw should be scattered about for making nests. No accumulation of filth, waste food or feathers should be permitted to lay about. To keep a loft after this fashion, it must be cleaned often enough to keep it free from accumulations. In such a loft one can go without danger of soiling their clothing. Under the other plan this is not possible. The two plans are described for the consideration of those growing squabs.

The parent birds must be old enough, large enough and strong enough to bear the strain of producing the eggs, hatching the young, feeding them sufficiently to force speedy growth, at the same time to have another pair of eggs in the nest and care for them to the hatching period. The best of working pairs usually hatch the second pair of young within a week from the time that the other pair have been fed to weaning time. To illustrate, a pair of eggs laid the first day of March should produce a pair of squabs not later than the twenty-first of the same month. These should be fed strong and vigorously by the old pair for fourteen days. At any time from the fifteenth to twentieth day from

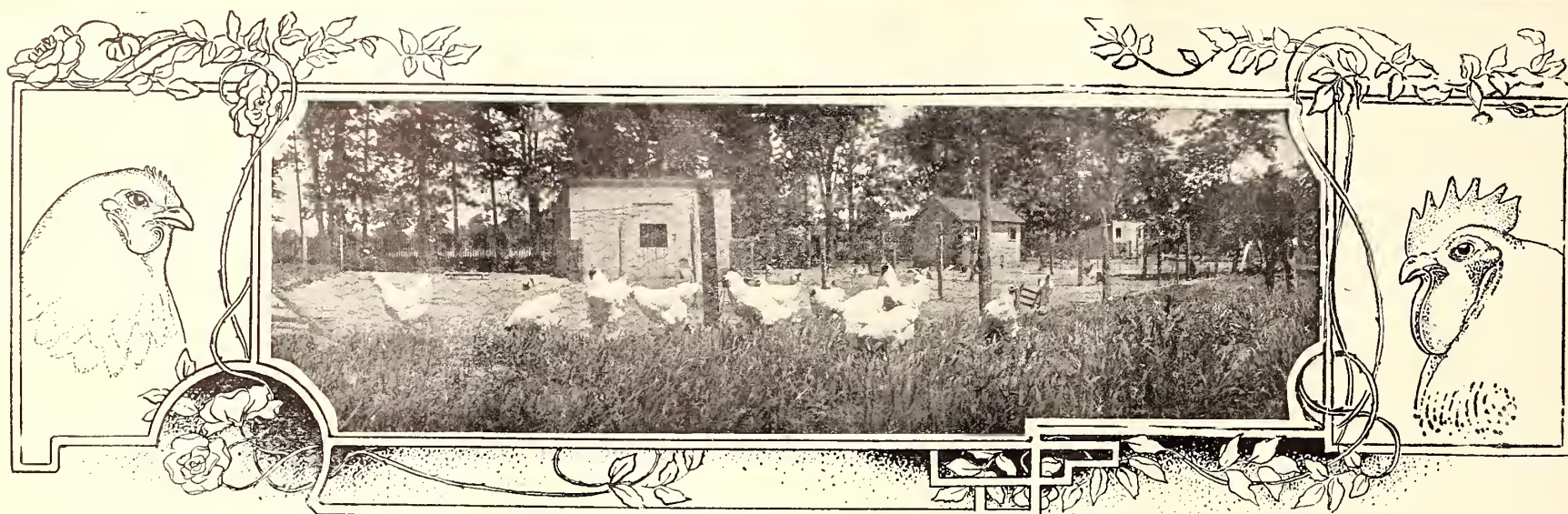


hatching the first pair another pair of eggs may be produced. These must be brooded for three weeks. Two weeks of this time may be safely devoted to the feeding of the well-grown pair. One week, or a day or two less, prior to hatching the second pair of eggs, the first pair of squabs must be weaned and turned off or perhaps killed and dressed for market, so that the producing pair may have from five to seven days' rest from feeding and sufficient time to prepare themselves for feeding and caring for the coming pair. It takes constitutional strength and vigor to withstand this strain in the production of from five to seven pairs, which is more than the average work of a loft. To succeed in this, one must readily realize the necessity for maturity, health, and vigor in the parent birds. The feeding and caring for the loft of pigeons is of vital importance. Above all things, never feed your producers on immature, musty, or inferior grain. We witnessed the sad experience of one who purchased some musty wheat which was fed to the pigeons, and which destroyed more than three-fourths of the entire loft, old and young, within three weeks from the time of beginning to feed this grain to the pigeons. A man might as well make his diet upon decayed, musty, moldy food as to expect poultry or pigeons to exist on such a diet. Feed only sound, well developed grain. The best possible diet for the pigeon loft where squabs are grown is good, sound, well matured dry wheat, cracked corn, a very little millet seed, and perhaps a small per cent. of buckwheat and kaffir corn. If four-fifths of the entire ration is made up of good, solid dry wheat and cracked corn, and the other fifth of an assortment of millet and kaffir corn and buckwheat, it will be the best. In addition to this, give one pound of good, dry Canada peas to every nine pounds of their ration. This would be one-tenth Canada peas, four-fifths wheat and cracked corn, the other tenth to be made up of the other grains mentioned. The feeding of hempseed should be as cautiously handled as would be giving rich cakes and puddings to a child. A very little now and then may prove beneficial. The real use of buckwheat in the pigeon loft is to encourage the high-bred, close-bred and inbred exhibition specimens to more prolific work. It is not intended for food for squab-growing pigeons.

In addition to this is the consideration of the salt cat. Some make use of rock salt; others table salt. The writer never used anything other than a piece of salt codfish nailed to a board and hung against the wall so that the pigeons reached it. Many differ with us as to the use of this, but we never had any ailments in our loft after we had cleaned out the diseased specimens, quit the use of salt of any kind, fed only grains as above described, provided perfectly dry interior and used the codfish for salt cat. Personally, we believe that the eating of rock salt, table salt, or salt of any kind by pigeons causes throat trouble. Eating the codfish, which is sparingly done, provides meat and salt as well. In addition to this, we believe in a little bit of green food, such as lettuce or a bunch of clover, with plenty of grit and plenty of fresh water for bathing and drinking. If the above-described methods are followed, we believe that every one can make a success of keeping pigeons for squab growing. As to the amount that can be realized as a profit from same, it can be calculated as follows:

The average pair will produce six nests of young during the year. This would be one dozen squabs. The price at which this dozen squabs could be sold can be obtained through inquiry at the markets.





## What a Woman Can Do

**N**EVER HAS been so much interest displayed in the cultivation of poultry by all kinds and classes of people as at the present time. About a year ago we told of the success attained by a church organization of women in the South in growing squabs. One most successful in handling standard bred stock in the state of New York has gained the prominence of being invited to some of the largest gatherings of farmers in several states to tell them of a woman's success with poultry.

Of all the women who have become prominent in poultry growing, none have excelled Mrs. Metcalf. She has not only succeeded in successfully handling poultry for a profit, but she has, besides this, the honor of being the only woman to have originated a distinct breed of fowls in this country. We imagine that no other woman in the world has like honor. In addition to this, she has had this breed admitted to the American Standard of Perfection.

The fowl she produced was originally termed the Buckeye Reds. This, however, was changed to the plain name of "Buckeyes" when admitted to the Standard. In telling of the origin of the Buckeye Reds, Mrs. Metcalf states that she obtained most of her spending money from the proceeds of the poultry grown on the farm. She learned through experience that turkeys, ducks, and the older breeds of chickens did not bring the profit she desired. This led her to the bringing forward for her own purposes at first, the breed of fowls which was created through crossing the American and Asiatic breeds. These were again crossed with Black, Red, and Indian Games. From this union of many kinds were produced a few fowls having attractive red plumage. These were selected and the effort was made to create an entire flock of fowls of this character. The result of a few years of care and attention settled this flock into one that produced largely of their kind, the males dark red and brown red color in the hens. These were named Buckeye Reds, after the state in which they were produced, and because the color of the plumage had the appearance of a rope buckeye.



A BUCKEYE PULLET

The purpose in creating this breed was to obtain a close, compact fowl of such formation as to carry a very large per cent. of meat upon its carcass, and at the same time of the character that could be depended upon to fill the egg basket during twelve months in the year.

Two months ago we requested Mrs. Metcalf to forward to Mr. Louis P. Graham, a representative pair of her Buckeyes. This was done, and from these were made photographs, and from them plates to represent the Buckeye in the new book soon to be issued in *THE FEATHER* series, under the name of "Perfected Poultry of America." Surely this fowl has the right of presentation in this book, having been created as it was, and being one of the most recent productions. From the photographs taken we have selected one of the Buckeye pullets used to illustrate this article. We also make use of the photograph of the lady herself at work caring for her flock; the one showing true to life the char-

acter and general make-up of the female of this breed, the second portraying the evenness in character and color of a large number of them.

This begins a series of articles on poultry under all circumstances and conditions. This particular flock of poultry has been built up from the very foundation, kept, cared for and cultivated for the express purpose of producing a living for the family of the owner. The conditions under which these are grown are not better than the surroundings of many other breeders. In fact, we imagine that many more engaged in poultry growing have superior advantages. Success has come in this instance as a reward for a determined effort to succeed.

It is not our purpose to tell of the Standard description and quality of this fowl, nor do we seek to make them prominent. They have been selected only because they and their owner present a principle in poultry culture which, if followed up by a greater number of people, would add considerably to their income, and increase the egg production as well as furnish better quality of market poultry throughout the land. More fresh-laid eggs and a larger amount of better market poultry are needed during the entire year. There is a sufficient amount of the poor quality of both. Money is always lost in the production of inferior quality; money is always made by those who produce and carefully market the best.

Any one with the proper determination can select any breed or variety of fowls and handle them, and the Buckeyes have been handled, and make headway with them. It is not the individuality of the breed or variety which brings success; it is the careful, judicious, determined management for best results that counts in the growing of poultry.

There may be more than a passing possibility of confusing the Buckeyes with the Rhode Island Reds. In the Standard of Perfection will be found the Rhode Island Reds and the Buckeyes. The one originated in Rhode Island and are cultivated there for egg-producing and for market poultry. Through selection and careful breeding they were made prominent as exhibition fowls and admitted to the Standard. The Buckeyes were given like prominence. The general character of the Buckeyes is more like the Indian



Game than any other fowl. We saw, a few months ago, about fifty three-fourths-grown capons produced from an Indian Game male and Orpington female. Some of these capons had very much the same appearance as the Buckeye. In the Buckeye, the male is much more attractive in the color of plumage than the female. The pullets of the Buckeye are credited with being disposed to begin laying when quite young and to continue through the entire winter, and to retain their vigor and prolific egg production over the second year. This, we imagine, is more influenced by the recent crosses to produce them than because they will prove to be over and beyond the ordinary egg producers. Unquestionably, they are valuable fowls for producing eggs and market poultry, but we could not think that they excelled all others.

One point in their favor is that they are of a kindly disposition, can easily be confined within an inclosure, and are excellent sitters and mothers to their young. They are not ugly or savage when they become broody, yet they easily guard their nests and their young without being aggressive or pugnacious.

The color of the plumage of the Buckeye is described as a rich, velvety red, garnet, or dark cardinal in shade for the male and female alike; under-color a lighter shade. All things being equal, the specimens showing the most even dark-red surface color shall have the preference. Here is a combination of color extending over equal latitude originally given to the Buff Cochins—that of lemon, buff, orange or cinnamon. Color of shanks, yellow or reddish yellow.

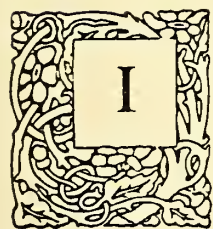


MRS. METCALF AT HOME WITH HER FLOCK

The shanks of the Buckeye are fashioned and colored quite like the shanks of the Indian Game. Another peculiarity of this breed is the fact that they have a pea comb like the comb of a Brahma. This style of comb seems to follow in line from the original Azeel Game, which has had its

influence on the comb of the Indian Game, and may have been the original of the Brahma. The same comb is natural to the Sumatra, the Brahma, and the Azeel Game. Which of these have the precedent, we imagine will never be known.

## Artificial Incubation



THIS is quite as natural at the present time for the poultryman, who is largely or but little interested as to numbers, to make use of incubators and brooders. Large volumes are sent out telling of every item that might be of value to the amateur in managing this machinery. Even with this, publishers are constantly plied with questions relative to handling artificial hatching machinery.

If a few absolute requirements were constantly applied, there would be no trouble whatever in handling machinery. First of all, one should study the directions that come with the machines and follow the directions to the letter. First, become familiar with the instructions, then with the incubator and brooder itself. Learn these two as you did your letters at school, then you will be in position to properly use and succeed with the machines.

Never allow even the possibility of the lamp smoking; remove the charred portions from the wick with thumb and fingers twice in each twenty-four hours. Keep the lamp properly filled, so that there may not be any danger of the lamp going out, burning badly or smoking for want of oil.

Turn the eggs once in each twenty-four hours. Do not hesitate to leave them outside of the machine in the tray from twelve to twenty minutes each day, according to the temperature of the room in which they are placed. If 70 degrees or over, they may safely be left for twenty minutes; if 65 degrees or below, from ten to

fifteen minutes will be long enough. The eggs may be turned completely over as recommended, or they can be moved about gently with the hand, moving them just enough to change the location of the germ cell, so that there is no possible danger of their adhering to the inner membrane of the egg. It is always best to have a regular time each day to attend to this matter. Do not imagine that any old time will do. Be regular, punctual, and attentive.

Always start the lamps, warm the egg-chamber of the machine and adjust your regulator and ventilation before placing the eggs for hatching. It is just as well to take twenty-four hours for this, rather than to do it too hastily, and regret it the first morning after the eggs have been placed in the machine, for when you have discovered that the thermometer has gone above 110 degrees, it is too late to hope for success with the eggs that have been kept an hour or two in this temperature.

When the machine is properly heated and the heat regulation under control, fill the trays with well selected eggs, all as nearly one size as possible. Smooth-shelled, medium-sized, perfectly clean eggs that are reasonably fresh and that have been well cared for are always the best. Place these in the machine—better in the morning than evening. If placed in the care of the machine early in the morning, some one will have the time to look after them up to late bedtime of the same day. Any error in the regulating of same may be quickly adjusted and the eggs saved from injury. When placed in the air chamber at night, it quite often happens that the eggs become overheated before morning and

perhaps injure or totally destroy them, for while you sleep the unadjusted regulator may permit the temperature to rise so high as to almost cook the eggs.

Some poultrymen recommend that the eggs be cooled every morning and only turned every third day. Certainly they should be tested not later than the seventh day, then again the tenth and fifteenth days. All clear or infertile eggs should be removed at the first testing. These infertile eggs that are taken out the fifth day are just as good for food as would be any eggs kept for five days on the cupboard shelf in summer. Some imagine that the clear, infertile eggs of an incubator are not fit to eat. Put some of these away over night, cook them, turn them from the shell and examine them in comparison with other eggs of the same age that have not been in the machine, and see if you can discover any difference whatever in them. Eggs in an incubator that are perfectly clear and infertile do not suffer as much in quality as do fertile eggs on the pantry or cupboard shelf when the thermometer is near a hundred.

It is best not to disturb the eggs at all after the eighteenth day. What is called life comes to the embryo the eighteenth day. Too much heat, shaking about or congealing the eggs at this time may destroy every chick within the shell. Too much heat bursts the blood-vessels and kills the chick; too much cold or too low temperature destroys the life through suppression of the natural warmth necessary to sustain it.

In handling the eggs during incubation, do not have coal oil, grease or dirt of any kind upon



your hands, for if you do, the same may coat the shell of the eggs, close the pores thereof, and lessen the likelihood of the eggs hatching. In the study of the drying down of the egg-shell, nothing but experience teaches all that may be known of this. One thing is perfectly certain—that is, if the manufacturer recommends moisture being placed in the machine, it is necessary to have it there. Where the directions say none is needed, do not be foolish enough to make use of any.

Fertile eggs are absolutely necessary for success. Many statements have been made as to how to have and how not to have plenty of fertile eggs. Some of the officials of the Department of Agriculture have made some recent statements relative to the fertility of eggs. We quote from their statements as follows:

"Too warm quarters for laying stock and overfeeding are commonly believed to exercise an unfavorable influence on egg fertility as well as does a cold season. The way eggs are handled or stored is also believed to affect the proportion which will hatch, as well as do the conditions under which incubation occurs. The vigor and character of the parent stock and the length of time the male bird has been with the flock are also important questions with respect to egg fertility. At the outset it should be pointed out that fertility and 'hatchability' are not necessarily identical. An egg may be fertile and still the germ does not have sufficient vitality to produce a healthy chick under the ordinary conditions of incubation. In a series of incubator experiments at the Blue Island Station, of 8,677 eggs tested, 83 per cent. were found to be fertile, while only 46 per cent. of the fertile eggs, or 38.6 per cent. of the total number of eggs, hatched under the conditions of the tests.

"The various observations made, while not entirely conclusive, indicate that, in order to secure fertile eggs, which will hatch, the laying stock must not be kept in very warm quarters or overfed; the males must be kept with the hens continuously and only eggs should be used which are produced after the male has been with the hens several days. Only fowls from very vigorous parent stock and those known to produce a high percentage of fertile eggs (hens vary widely in this respect) should be used; the hens should be allowed to rest after each laying period, while the eggs should be handled carefully, not subjected to extremes of temperature

in storage and used only when comparatively fresh."

The facts are, that beginning with November, the fertility of the eggs of all birds and fowls in and north of the Temperate Zone decline in fertility. This decrease is greater in December and January, begins to improve in February and March, and reaches its height from April to June. In the warmer climates it differs considerably. With the falling of the leaves and the dying of nature, the fertility decreases, with the coming of the influences of spring, the growth of new leaves and fresh grass, the fertility springs into stronger existence. In other words, with the dying of nature it declines, with the springing again into life, the increase is perceptible. Exercise, living out of doors, and being compelled to hunt for food relieves the declining somewhat, but only to a limited extent. In the question of moisture in the incubator, the main proposition is studying the air space toward the larger end of the egg. If the space dries down too fast and becomes too large, supply moisture, if the reverse is the fact and the air space is entirely too small, place a piece of lime on the plate or pan underneath the machine. As soon as the space is sufficiently large remove the lime from the room. So long as the air space is of proper size and condition, no help one way or the other will be needed.

Always keep the incubator while running in as even a temperature as possible. Better in a temperature that is always 60 degrees than to be in one that ranges from 60 to 75 degrees during twenty-four hours. A room at 65 that is neither too dry nor moist might be preferred. Too much heat or too much dampness are equally undesirable.

When the chicks have all been hatched and have been in the nursery below the egg trays from eighteen to twenty-four hours, they may be removed and placed in the brooder, which should be properly warmed prior to placing the young chicks there. Heat the machine to from 85 to 90 degrees, according to the number of chicks. The chicks should be removed from the incubator with as little chance for chilling as possible. If fifty or sixty of them are to be placed in the nursery chamber of the brooder, 85 degrees of heat is quite sufficient for the start. This will more than likely go to 95 degrees within an hour from the time of the introduction of the young chicks. If this is not

the condition, the heat should be increased so as to stand at about 95 degrees. If the chicks are placed in the brooder early in the morning, and it is watched carefully during the entire day, the temperature will be so well regulated and governed as to hold its own during the night that is to follow. If not so safe-guarded, it often happens that broods placed in the brooder at night become overheated or chilled as may be through the improper regulation of the heat.

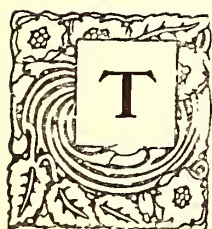
More chicks are destroyed in the incubator through overheating than in any other way. Following this, hundreds are roasted to death during the night in overheated brooders. The great enemy to be fought in handling the incubator and the brooder is to prevent the overheating.

When the chicks become chilled during the day or night, they are quite apt to huddle so closely together as to smother one another to death. This is a misfortune which at times may overcome one in the management of the brooder. But this danger is not nearly so prevalent as overheating.

Proper feeding and exercise is of vital importance to the brooder chick. Keep them running in and out of the nursery as much as possible for food. Little bits or particles of animal food, small bits of lettuce, or anything that will induce this natural exercise will add greatly to the success of the growing of young chicks. A constant running about during the daylight hours, quiet rest in a properly heated nursery at night is a sure guarantee of success.

Cleanliness, proper feeding, and the proper temperature of the brooder are the three absolute necessities for success in growing brooder chicks. If improperly fed, if overheated, if not kept under good sanitary conditions, bowel trouble, diarrhoea and death is certain to follow. In connection with this, the most disastrous feature is the contamination of the interior of the machine with chicks that are infested with insect vermin. If some of these get mixed in with the brooder chicks, they will breed destruction through sowing the seed of insect vermin within the brooder. In this case, the flock is quite unlikely to prosper, and the brooder, which will become thoroughly infested with the vermin, may as well be burnt up and destroyed. The careless storing away of brooders where they may become infested with insect vermin is responsible for the loss of many broods of young chicks.

## Value of Range



HE fact can not be denied that the strongest and most healthy stock is that which is grown upon the range. At the same time stock may be grown upon the range that is so destitute of nutritious food as to lose rather than gain.

No better illustration of this can be shown than the flocks of turkeys which travel over large extended ranges where there is plentiful supply of seeds, bugs, worms, nuts and berries for them to pick up. They will thrive and grow to a surprising extent. Within a few days, however, following heavy frosts, they will range over the same locality, and if not thoroughly fed with grain, they will soon walk off the greater part of the flesh that they have taken on and become almost valueless for market poultry. This may be the case with thousands of

poultry which depend to a great extent on gleanings from the fields and wood lots over which they range. So long as the food supply is plentiful they do remarkably well, but as soon as the coming of fall destroys this natural food supply, they will dwindle and go back unless well fed.

Entirely too many pullets fail to lay during the winter months, because of this lack of food upon the range just at that period when they begin to prepare for the egg production. Just when most needed the full food supply fails them. They are neglected by those who own them, until they have gone back further than they can possibly regain with three months of care and feeding. If these have been partially fed as the frosts come upon them, they would have continued to improve and to produce a large yield of winter eggs. When, however, they are permitted to fall back through the lack of proper

sustenance, nothing will bring them forward except a few months of careful feeding. Poultry of all kinds, including turkeys, guinea hens and water-fowls, should be fed a little each day, even though upon the range. This should be continued when wet, damp conditions remove the possibility of a full food supply, and they should be fed generously until conditions improve. Thousands of young poults might be saved from death and starvation, if they were fed a liberal supply of grain upon the range when rain falls and wets everything. Then when fall approaches, increase gradually until they are upon a full ration as nature's supply dwindles and is entirely gone. There is no question as to the advantages of range-grown poultry, if it is properly grown and cared for. Yet it is quite as possible for fowls to almost starve to death upon a range that does not supply enough for them to live upon.



## A Quartet of Poultry Shows

### New York

**N**OTWITHSTANDING the fact that the entry fee was advanced to \$3 for a single entry, Madison Square Garden was crowded to its full capacity. The greater proportion of single entries were double-tiered. This was made necessary because of the fact that there were nearly two thousand four hundred single entries in poultry alone, besides the bantams, turkeys, and water-fowl. While some of the exhibitors seriously objected to the double-tiering of the coops, all seemed willing to admit that it would be just the same if the entry fee was advanced to \$5 per bird.

The largest and most attractive classes in the show were admitted to be White Plymouth Rocks, White and Columbian Wyandottes, Orpingtons, and the Mediterranean classes. Notwithstanding the fact that two of the judges were absent, being unable to attend on account of sickness, the judging was promptly done and all finished by Wednesday noon. There was less expression of dissatisfaction than for years in the Garden. In all classes except a few every one seemed satisfied. Perhaps the best Buff Wyandotte ever shown was the cock that won the blue ribbon and special for the best in the class. The quality of the Columbian Wyandottes is very much improved. The first cockerel in Columbians seemed to stand by himself in the class.

While the Barred Plymouth Rocks were not so many as last year, the general quality was better. The White Plymouth Rocks formed a very strong class, and could scarcely be excelled. In White Wyandottes the average quality was better than last year; the winners were better selected as a whole than at the last winter's show.

In the Mediterranean classes were shown the grandest lot of Whites gathered at the Garden for many years. The first pen and first cockerel attracted more than passing comment. A long price was offered for both of these entries, but refused. The Brown Leghorn classes were unusually strong. Miss Pitchlynn, of Washington, D. C., whom we have mentioned several times in the columns of this paper, won second on hen, second on pullet, and several minor prizes on some grand, good birds.

New York has the advantage over Hagerstown in having had the best display of Rouen, Aylesbury, and East Indian Ducks that have ever been gathered in one exhibit. During the show, after the judging had been completed, there came from the other side a large number of these, and if they had arrived in time for judging some of the awards might have been changed. As it was there was a distribution of prizes which did not seem to meet the approval of all the water-fowl exhibitors. The question is, which is right, the English or American type in many kinds of water-fowls.

There should be some one of sufficient ability and determination to settle these questions conclusively, and not have the decisions always the opinion of the one making them and not a close application of the Standard. In Indian Runner Ducks, some were shown of the true fawn and white color without any markings or pencilings on the plumage. These were claimed to be of pure Australian, heavy egg-producing stock. There seemed to be quite a furor in favor of these. The owner stated that he had orders for more eggs than his two hundred ducks could possibly produce this spring, and leave any for his own hatching.

As usual, the display of bantams and pigeons was very large and cumbersome to handle. The finest lots of Game Bantams ever gathered in the Garden were there this year. The display in variety bantams was not so large as formerly. The geese and turkeys were remarkably fine; all kinds of geese and almost every variety of turkeys known to the Standard were shown. Some of them, especially the Whites and the Bronze would out-class even the St. Louis exhibit in quality.

There were a number of club meetings held at New York. Mr. Johnson, of Indianapolis, was elected secretary of the Light Brahma Club. After a warm time and heated discussion, Mr. Mattison was elected president of the Buff Wyandotte Club. There was blood on the moon during the entire meeting of the Buff Wyandotte Club. The challenge issued by Mr. Lord early in the season was not accepted by any one. A large number besides himself made entries at the Garden. Mr. Lord won the general display prize, which, we presume, would be called a victory in the showing. It is thought that many of the same birds will go on to Boston, and perhaps to Chicago, to continue in the fight for supremacy. Undoubtedly the display of Buff Wyandottes this year, both at New York and Auburn, has exceeded anything of former years. As stated before, the Buff cock bird shown at New York, and the first cockerel at Auburn, are the best we have ever seen. We would value the cockerel shown at Auburn as equal to the one shown at New York.

In Barred Plymouth Rocks, the quality would rank as fully the equal of the past two winters. Mr. H. P. Schwab judged these classes better than he did last year. He is a devotee to attractive color, but fails to notice the very dark shanks and Wyandotte type in some of his awards. Mr. Victor Bradley spent three days in the New York Show. We imagine that a number of the winners came from Lee. Since the New York Show we have seen a beautiful lot of Bradley birds that would be the envy of all who might see them. Pine-Top Poultry Farm and Whitcombe Farm both had beautiful specimens in the winning list. The White Plymouth Rocks were judged by Mr. A. E. Smith, of Waltham, in place of the selected judge, who was

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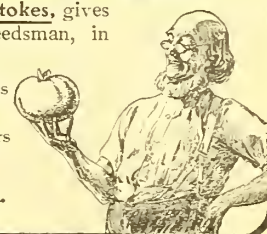
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13-4

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made a clean sweep at the great A. P. A. Show held at Auburn, N. Y., January 7-12, 1907, winning on 10 entries all firsts, 2 seconds, 2 thirds, 1 fourth, and 20 specials, including the National White Wyandotte Club Silver Cup, and the Ivory Soap Cup for whitest bird in the show. My birds are of that nice blocky pure white type and great layers

Eggs, from the same pen I use from, \$3 per 15; \$15 per 100

Some nice cockerels for sale.

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12-8

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Barred Plymouth Rocks Exclusively, Thompson and Hawkins strains. Breeding and exhibition birds for sale. Satisfaction guaranteed. Write your wants. A. W. BELLER, Kilbuck, Ohio. 12-5

White Plymouth Rocks, Fishel Strain, a Few fine cockerels, \$1.50; eggs, \$2 per 15. Satisfaction guaranteed. KENYON BROS., Box 13, Elkland, Pa. 12-6

Danford Pure Blood White Rocks, the Kind That lays in winter as well as in summer. Choice cockerels and pullets, \$10 per trio; eggs, \$3 per 15. I. W. DANFORD, 2001 N. Fourth St., Columbus, Ohio. 12-6

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Barred Plymouth Rock Hens Hatched and Raised from America's prize winners. Early to late birds at \$1 to \$2. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-6

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Only Buff Rocks Since 1895.—State Cup Winners 1904; Boston, 1905, 2d pullet; '06 1st pen. Stock for sale. P. W. NOYES, Quaker Hill, Conn. 12-6

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Elthlan, Ill. 13-3

Barred Rocks, S. C. White Leghorns, Bred for utility and beauty, great winter layers; few fine cockerels and pullets for sale; eggs in season. R. J. CADLE, Reisterstown, Md. 12-6

Spring Lake Poultry Farm of Oakland, Ill., has largest and best flock pure Bradley Bros. strain of Barred Rocks in the Mississippi Valley. Stock for sale. Eggs, cockerel or pullet, mated, \$2 for 15. Catalogue on request. JOE H. WINKLER. 12-6

("Ringlets") Barred Plymouth Rocks, Thompson's strain direct. Selected and bred for superior egg production from a strain of heavy winter layers, Standard bred in weight, shape and color. Eggs, one setting, \$2; three settings, \$5. THOMAS LOBB, Route 1, Peekskill, N. Y. 12-6

First-class Barred Rocks. Trios and Pens. Eggs, 1 sitting; \$4 hundred. MISS H. W. ROBERTSON, Bel Alton, Md. 12-6

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Hillicust Farm's Silver Penciled and Partridge Plymouth Rocks, winners at World's Fair, Madison Square Garden, Trenton, Wilkes-Barre. Stock for sale. Eggs, \$2 per sitting. Mention The Feather for an extra egg. WM. F. FOTTERALL, Oakford, Pa. 12-9

Barred Plymouth Rocks, Champion Lady May stock, winner of first three specials and \$100 challenge cup, Boston, 1906. Cockerels and pullets, \$5 each and upward; eggs, \$3 per 13. JOHN CAMERON, Beech St., New Bedford, Mass. 12-6

Barred Plymouth Rocks. Eggs and Stock in Season. Eggs, \$1 and \$2.50 per 15. WM. R. ROLLSTON, R. 9, Box 24, Springfield, Mo. 12-6

My Buff Rocks Are Winning Blue Ribbons This winter as usual. Stock for sale. Eggs, \$2 sitting; \$5 per 100. NELSON BRUSIE, Salisbury Mills, N. Y. 12-6

White Rocks of the Correct Type. Winners always and thoroughly practical birds. First and third cockerel, Cincinnati, January, 1906, from two entries in class of 37. Winners in all classes. Washington, D. C., January, 1907. Stock and eggs for sale. J. F. DEFANDORF, Garrett Park, Md. 12-5

White Rocks Direct from U. R. Fishel, Eggs, \$2.50 per 15. Single-combed White Leghorns, eggs \$1.50 per 15. MRS. F. B. BRUCE, Jay, Essex Co., N. Y. 12-7

10 Cockerels, 20 Pullets, Barred Plymouth Rocks, \$2 each; 1 cock, 4 hens, \$20. N. B. WARNER, Hamilton, Va. 12-5

Barred Plymouth Rocks (Bradley Strain), Carefully selected matings from prize winning stock. Eggs, \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Props., Hagerstown, Md. 12-7

Buff Rocks—Originated by J. D. Wilson, Box C, Worcester, New York; winners since '03 World's Fair; Troy, Rochester, N. Y.; 7 years Madison Square Garden, New York; Boston, Mass. Birds from \$2. Best Eggs \$5 per 13; \$8 per 26; \$10 per 39. 12-7

White Plymouth Rocks. My Birds Won Very Near every premium offered in this class at the recent Greensboro and Charlotte Poultry Shows, and are the quality that will win anywhere. Have a few vigorous and snappy cockerels for sale at reasonable prices. It will pay to head your flock with one of these birds. Eggs, \$3 per 15. Y. E. SMITH, East Durham, N. C. 12-7

Eggs for Hatching from Exhibition Barred and White Rocks. Satisfaction guaranteed. Write for circular. Incubator eggs furnished. FLORIS HILL POULTRY YARDS, Floris, Va. 12-7

For Sale—Barred Rock Cockerels and Pullets, scoring from 89 to 93 honest points at honest prices. Eggs, from choicest matings, \$2. Write. D. M. McQUEEN, Box C, Bowerston, Ohio. 12-7

Golden Buff Rocks, Buff to the Body, Right shape; great layers. Eggs from best matings, \$1.50 per 15. GEO. M. ALEXANDER, Station C, Toledo, Ohio. 12-7

Buff Plymouth Rocks at Hagerstown, October, 1906, won 7th hen, 4th cockerel, 4th pullet, and 5th pen. Eggs from best pens \$2 per 15. CHAS. A. MATSINGER, Baltimore, Md., Sta. N. 12-7

Buff Plymouth Rocks Exclusively. Bred from prize winners. Eggs \$2 for 15, pen 1; \$1.50 pen 2. Also a few cockerels; prices low. FRED ARMER, Ballston Spa, N. Y. 12-7

Barred Rocks Exclusively.—Three First, One Second at the great Dallastown Show, December, 1906. Eggs \$2 per 15; cockerel and pullet matings. GEO. W. STUMP, Springvale, Pa. 12-7

Buff Rocks Exclusively.—I Bred, Raised, and showed first prize Cockerel at Madison Square Garden, 1907. Birds that I raised have won 6 firsts at Madison Square Garden. Eggs from pen headed by sire of first cockerel at Madison Square Garden, \$5 setting. JOHN W. POLEY, Roversford, Pa., R. D. 1. 12-7

sick. Rock Hill Poultry Farm was fortunate in these classes. Their pullet that won first and so many specials was the real thing in every way. Greystone and Mr. George Hillson had a string of beauties. An artist present at the Show claims the Hillson cockerel to be perfect Plymouth Rock shape. Mr. James Forsyth was in the winnings with beauty and shape of the proper kind. The entire lot of open class and pens of these were pronounced to be almost the equal of the most ideal desire.

The Buff Plymouth Rocks were grand. Mr. George Fox, of Torresdale, Pa., won first cock, first pullet, first pen and a number of other prizes on a beautiful lot of birds, all of his own breeding. For type, size and color, they are superb. Mr. Forsyth's only entry in these classes won second. We were glad to note that the judge in these, as in the Buff Wyandotte classes, selected better shape and color than last year, and the type chosen was more regular than a year ago. Partridge Plymouth Rocks were a beautiful lot, as was the Silver-penciled Plymouth Rocks shown by Rock Hill Farm. This variety was accepted as a Standard variety at the Auburn meeting. Mr. Cory is to be congratulated for the quality of the stock shown, and the consideration given them.

The Silver- and Golden-laced Wyandottes were a good lot for size, shape and color; the hens and pullets beautiful in open lacing and contrast of color; some of them bad in shape; two Silver pullets good. The male birds in Silvers were not so clear in top color as the Silver-penciled males. First Silver-laced cock was a wonder; in Goldens the strife was one-sided.

White Wyandottes were judged by Wm. R. Graves, of Springfield, Mass., who selected an even lot for the prizes. When a judge follows a type throughout his awards, one can be certain that he has done the best possible in line with his notion of the variety. Rock Hill Poultry Farm and Arthur Duston did well in the winnings with the proper quality—first pullet was just too nice for any place but the show room. In pens, first and second were wonders. Rock Hill sold one pen at a long price. We saw Mr. Duston book some good orders from his home stock, and some from the show. Black Wyandottes were an attractive lot.

The Buff Wyandottes were a noble lot, first cock at New York, first cockerel at same place, and the winner at Auburn are three noble birds that will not be excelled in the near future. Mr. Lord won the display prize, which places him as the largest winner in Buff Wyandottes at New York. This, we hope, will end the personal feeling along the line and in the club, and make breeders of these more active for quality in shape and color and less disposed to knock.

Partridge and Silver-penciled Wyandottes were an excellent lot, but the Columbians held the attention of the throng. Mr. D. Lincoln Orr, August D. Arnold, Gedney Farm, Dr. Andrews, A. C. Hawkins and others had a warm hunt for the honors. All had quality to burn in their exhibit; the winners were far advanced in breed characteristics and variety color. These most attractive fowls are finding their way into the yards of the most ardent fanciers, who will undoubtedly push them for popularity equal to the world's best.

The enthusiasm of New England fanciers was transplanted to the Gardens in

the shape of a large display of Rhode Island Reds, both single and rose-combed, and a spirited lot of fanciers to the club meeting. These excellent fowls have greatly improved, and those who have improved them claim to have only begun to go forward, so we may expect beauties of their kind as a result of such determination. The quality of both varieties was most attractive. Mr. Shoor was on hand with some beauties. He and Mr. Buffington are two pioneers in this breed of fowls.

There was good-natured Henry Hales with his Dorkings, also Mr. Westfall and others. Two Silver Gray hens valued at \$700 were shown. Boys of Dorking Alley, if you will follow the lead of the Orpington breeders, you can do just as well; your fowls are the equal of Orpingtons, but lack the popularity that comes from push, advertising, and illustrating.

Orpington Alley was ablaze with glory, ribbons, flowers and greens. If others would copy the push displayed by these fanciers, there would not be the least possibility of lack of enthusiasm in any variety. Orpington fanciers create the market and cater to it. Mr. Percy Cook was there as usual. He sold over nine hundred dollars' worth of Orpingtons one afternoon—the result of hard work, push and presentation. We are glad to congratulate Mr. Gaylor on having such fine quality as to win first and second pens in the hot classes of Buffs shown. Mr. C. E. Vass was on hand and won some of the ribbons.

In Leghorns, the display from the farm of Joseph Forsyth, Oswego, N. Y., attracted attention. It is reported that these were purchased by the representative of the Japanese Government at a long price. In the open classes of Browns, the quality was fine. The most interest, as usual, was in the females. Those shown by Miss Pitchlynn, we imagine, had more attention given them than had all the other. Single-combed Blacks and Rose-combed Browns were a great lot, both of which excelled all former exhibits.

In Single-combed White Leghorns, quality was rampant. Proper shape won, as it should. All the males and females, and first prize winners of the blue might be selected as models. The Duckwings were good in quality, the Rose-combed Whites were greatly improved, first cockerel being a sure winner. In Buff Leghorns, type and color combined won the honors. One might feel assured of advancement when improvement in selecting Buff color this winter is noticed.

The Minorca classes have moved forward a peg or two this season. The New National Single-combed Minorca Club is determined to have quality and quantity as it should be at New York this year—this year good, next year to be better. In both single-combed and rose-combed varieties the display was fine; seventy-two Single-combed Blacks, twenty-three Whites, twenty-one Rose-combed Blacks, and thirteen Whites in all. One hundred and twenty-nine Minorcas were in the open classes and only twenty-two Dorkings—quite a contrast when the Dorkings should lead. Of Andalusian and Spanish, only a few were shown.

Polish, Hamburgs, Houdans, Faverolles, Lakenvelders, Games and a few others were displayed in one or two. Classes other than the Indian Games, which had both quality and quantity to



further their cause, were not well represented.

The display of water-fowl was a pleasant surprise. There were ninety-two ducks of all kind, thirty-five geese and fifteen displays and pens of both. The quality of all these was so good as to surprise the oldest exhibitors in these classes. Many of them were imported for the occasion. One display of Pekins from Japan were of unusual quality. The owner of these stated that he had some of these from the same place over a year ago, and that their use had materially increased the hatch of the duck eggs last season.

Of turkeys, there were sixty-seven, covering the Bronze, White, Buff, and Slate varieties, all of which were fine in quality. If more of these high-quality kinds were introduced into the general stock of the country, it would greatly improve results in growing for market.

In Game and variety Bantams, there was almost an endless chain throughout the entire list. To attempt to describe them all would demand more space than could be devoted to them. The Game Bantam classes were the largest. Next to these came the Asiatic varieties. Of Rose-combed and Sebright, there were a splendid lot. All other kinds had a moderate showing. Of Light Brahma Bantams there was a remarkable showing of both quality and improvement in shape and markings. Some imported Polish Bantams attracted more than usual attention. Japanese Bantams of many varieties were shown. The general quality of all kinds shown was excellent. We consider, however, that there should be more attention paid to the Buff Cochins variety to prevent their being outclassed by the other varieties of this breed; better shape and color should be maintained.

The pigeon department was more than a show in itself. More than passing interest was exhibited in the Pigmy Pouter classes, where was gathered the cream from the lofts of the world. The Fantail and Jacobin classes were wonderful. It takes a real pigeon fancier to tell of all these as they deserve; it is, however, of interest to know that there were over one thousand eight hundred of them, of more than four hundred kinds or classes. We were glad to see some of the old-time fanciers back as exhibitors. Among these, none were more welcome than Mr. Eckert, who grows such beautiful Owls. Potomac Pigeon Loft, of Washington, D. C., won the silver cup on a beautiful yellow Pigmy. This might be called the swell Pigmy of the display, and it was produced by the exhibitor, an honor that might well be the envy of all.

Of pet stock, birds and displays, there were numerous coops and cages. The cats filled a whole room, which attracted the women and children to that locality. The displays included many kinds of pheasants, wild water-fowl and cross-bred guinea turkeys and a lot of bare-necked fowls, having necks somewhat like vultures, which had their full share of attention.

## AWARDS

### ASIATICS

**Brahmas.**—LIGHT: Ck 4, cks 2, 3, 5, pns 1, 3, 4, H. N. Rollins; cks 1, 2, hens 1, 5, Klee Bros.; ck 1, hen 4, Holden Rigby; ck 3, ck 4, Balch & Brown; hen 2, pn 2, pn 2, C. P. Nettleton; hen 3, Wm. Clowes & Son; ck 1, pul 5, C. J. Frost; pen 4, Weir Poultry Farm; pen 3, Jas.

Vail; pen 1, R. Monell Hirschberg. **Cochins.**—BUFF: Ck 3, hen 3, Fairfield Farm; ck 2, pul 2, 3, Geo. Ball; ck 1, hen 1, ck 1, pul 4, Hugh Wyatt; hen 2, ck 1, pul 1, Horace Porter. **PARTRIDGE:** All to Geo. W. Mitchell. **BLACK:** All to Geo. Murrmann. **WHITE:** Cks 1, 2, 3, 4, hens 1, 2, 3, 4, cks 1, 2, 3, 4, pns 1, 2, 3, 4, pen 1, Adolph E. Anderson; ck 5, hen 5, ck 5, pul 5, Clayton & Freeman. **Langshans.**—**BLACK:** Cks 2, 3, hens 1, 2, cks 3, 4, 5, pns 1, 2, Henry Cundell; ck 1, hen 3, ck 1, pul 4, Mrs. R. W. Holland; ck 5, B. M. Bratt; ck 4, pul 5, Paul P. Ives; hen 5, H. Yarwood; hen 4, ck 1, pul 3, pen 3, W. B. Freeburn; pns 1, 2, Congers Manor. **WHITE:** Pen 1, F. L. Trout; pen 2, A. W. Porter & Co.

### AMERICAN

**Plymouth Rocks.—BARRED:** Cks 6, 7, ck 1, 7, pul 3, pen 8, Pine Top Poultry Farm; cks 1, 3, 4, hens 5, 7, cks 1, 4, 5, pul 6, pns 4, 6, Grove Hill Poultry Yards; ck 8, hen 6, ck 1, pul 8, pen 2, Fairbank & Hovey; cks 2, 6, hens 1, 2, pns 1, 2, Whitcomb Farm; hens 3, 4, 8, ck 1, pul 5, pen 1, C. H. Welles; ck 1, W. P. Dykes; ck 8, J. Hayner; pul 7, Van C. Potter; pen 5, F. D. Ham; pen 3, L. P. Burr; pen 7, C. H. Shaylor. **WHITE:** Ck 5, E. H. & S. H. George; cks 1, 2, ck 3, pns 4, 5, pns 2, 3, Graystone Poultry Farm; ck 3, hen 2, pen 1, Owen Farm; ck 4, Geo. W. Hillson; hens 4, 5, S. J. McQuillan; hen 3, ck 4, pul 1, pen 5, Rock Hill Poultry Farm; hen 1, pen 4, C. C. Fairbank; ck 2, Jas. Forsyth; ck 5, Gray & Chalker; ck 1, H. W. Strong; pns 2, 3, Peacock Farm. **BUFF:** Cks 1, 6, hen 3, 5, cks 3, 4, pul 1, 4, pen 1, Geo. Fox; ck 4, ck 1, C. A. Mack; ck 2, F. H. Ricketts; ck 5, hen 1, pul 2, Crestwood Poultry Farm; ck 3, hen 2, Exmoor Farm; hen 4, P. W. Noyes; ck 1, John W. Poley; pen 2, Monmouth Poultry Farm; pen 4, Nelson Brusie; ck 2, Jas. Forsyth; ck 4, E. A. Willis; pns 3, 6, pen 3, R. A. Tuttle; pul 5, pen 5, S. E. Gesner. **PARTRIDGE:** Ck 4, pul 2, 3, T. W. Schofield; ck 3, hen 3, ck 1, pul 4, pen 2, Henry Olmisch; ck 5, hen 4, Henley & Poole; cks 1, 2, hens 1, 2, ck 1, pul 1, 5, pen 1, Chas. A. Kahle. **SILVER-PENCILED:** All to Rock Hill Poultry Farm. **COLUMBIAN:** Pen 1, E. B. Andrews. **Wyandottes.**—**SILVER:** Ck 5, R. G. Williams; ck 2, pul 3, Oak Lawn Poultry; ck 4, pul 1, 2, Edwin H. Morris; ck 1, hen 3, Dr. A. T. Beckett; ck 3, hen 5, W. B. Barton; hen 4, Oliver Carter; hen 2, cks 2, 5, Samson & Alden; ck 1, C. S. Shirr; ck 4, pul 4, A. C. Allen; ck 1, J. C. Jodrey; pul 5, Fernwood Farm; pen 1, Frank Van Alstyne. **GOLDEN:** Cks 1, 2, 4, hens 1, 2, 3, cks 1, 2, 3, pul 1, 2, 4, pen 1, C. H. Brundage; ck 3, A. A. Shiley & Son; hen 4; ck 1, pul 5, Geo. H. Smith; pul 3, Edwin H. Morris; pen 2, L. H. Davis. **WHITE:** Ck 1, W. Dawson; cks 2, 4, hen 1, ck 2, pen 3, A. G. Dustin; ck 3, ck 1, pns 2, 4, Rock Hill Poultry Farm; ck 5, hen 3, ck 1, pul 2, Horace Havemeyer; hen 2, Edw. E. Ling; hen 5, West Mt. Poultry Yards; hen 4, Jesse B. Riggs; ck 3, F. P. Pulsifer & Co.; ck 1, 5, pen 1, Geo. E. Mann; pul 4, F. H. Dillingham; pul 5, Mrs. T. W. Turner; pul 3, The Gale Poultry Place; pul 1, pen 1, Elma Poultry Yard. **BLACK:** Cks 1, 3, hens 1, 3, ck 2, pul 3, 4, Frank C. Sites; ck 2, hen 2, 4, ck 1, pul 1, 2, Geo. W. Weed & Son; ck 4, Dr. J. T. Gilchrist. **BUFF:** Cks 1, 4, hens 1, 2, ck 4, pns 2, 5, pns 2, 3, W. T. Lord; cks 3, 5, hens 3, 4, 5, cks 1, 5, pul 3, pns 1, 5, Mattison & Dutcher; ck 2, pul 4, Ralph W. Sturtevant; cks 2, 3, pul 1, pen 4, Rufus L. Coolidge & Son. **PARTRIDGE:** Ck 4, hens 3, 4, cks 2, 5, pul 1, pen 1, J. B. Hadaway; ck 5, pul 5, Rock Hill Poultry Farm; cks 2, 3, hen 2, ck 4, Bird Bros.; ck 1, pen 4, Hartman Stock Farm Poultry Yards; hen 1, ck 1, pen 2, Eugene Sites; hen 5, W. A. Doolittle; ck 1, pul 2, M. H. Coffin; pul 3, pen 3, E. G. Wyckoff; pul 4, C. H. Brundage. **SILVER-PENCILED:** Ck 1, hens 1, 4, ck 1, pul 2, 4, pen 1, E. G. Wyckoff; ck 2, hen 3, ck 1, 5, pul 5, G. F. Eastman; hen 2, ck 1, pul 1, Rogers & Packard; cks 2, A. L. Jenks; ck 4, A. G. Warner; pul 3, C. A. Mack; **COLUMBIAN:** Ck 4, hen 2, pen 5, Mackintosh & Burgess; cks 1, 2, pul 1, pen 4, Aug. D. Arnold; ck 3, Eugene Sites; ck 5, Dr. C. J. Andrus; hen 5, ck 2, pen 2, D. Lincoln Orr; hen 4, W. B. Richardson; hen 3, ck 1, L. H. Davis; hen 1, C. H. Brundage; ck 1, pen 1, A. C. Hawkins; ck 3, J. F. Van Alstyne; ck 4, M. A. Brayton; ck 5, pul 3, S. T. Eveleth; pul 2, Gedney Farm Poultry Yard; pul 5, L. L. Bright; pul 4, Prof. John Evans. **Dominiques.**—Ck 1, hen 1, W. M. Shaylor. **Rhode Island Reds.**—**SINGLE-COMBED:** Cks 1, 3, hens 1, 2, 3, 4, cks 1, 2, 3, 5, pul 4, 5, pns 1, 2, L. Tompkins; cks 2, 5, P. Caswell; ck 4, ck 4, Dr. W. N. Conant; hen 5, pul 3, A. C. Chapin; pul 2, pns 4, 5, DeGraff Poultry Farm; pul 1, G. W. Tracy; pen 3, Roht. Seaman. **ROSE-COMBED:** Cks 1, 4, hen 2, cks 1, 2, 5, pns 1, 2, pen 1, L. Tompkins; ck 2, 5, hen 1, cks 3, 4, pul 4, P. Caswell; ck 3, hen 5, A. H. Rempp; hens 3, 4, pul 5, pen 3, L. Anderson; pul 3, pen 2, A. M. Anderson; pen 5, D. P. Shove; pen 4, S. Smith.

### ENGLISH

**Dorkings.**—**SILVER-GRAY:** Ck 2, hen 1, ck 1, pul 1, W. Westfall; ck 1, hen 3, M. R. Jacobus; ck 3, ck 3, H. Hales; hen 2, pns 1, 2, G. B. Inches; ck 2, L. H. Peters; pen 1, Jas. Kennedy. **COLORED:** All to G. B. Inches. **Orpingtons.**—**SINGLE-COMBED BUFF:** Cks 3, 4, ck 1, 2, pen 3, Willow Brook Farm; cks 1, 5, ck 3, Owen Farms; ck 2, hen 5, H. A. Kirby; hen 1, pul 1, pen 4, Wm. Cook & Sons; hens 2, 4, pul 2, 3, Henrietta E. Hooker; hen 3, ck 1, W. J. Clark; ck 5, pns 1, 5, Gedney Farm Poultry Yards; ck 4, D. M. S. Sherwood; pul 4, 5, Sunwick Poultry Farm. **ROSE-COMBED BUFF:** Ck

Eggs, Eggs, Eggs, from Fine Barred Rocks, 15 for \$1; 30 for \$1.75. F. A. WEAVER, Chestnut Hill, Conn. 12-7

**Buff Rocks (Nugget Strain), Choice Cockerels,** from \$2 to \$5; pullets, from \$1.50 to \$3; eggs from best matings, \$2 per setting; \$8 per hundred; satisfaction guaranteed. **BEECHLANDS' JERSEY FARM,** G. H. Sweet, E. Anrora, N. Y. 12-6

**26 Eggs, \$1—Thompson's Ringlet Strain of** pure bred Barred Plymouth Rocks; none better at any price. Write for circular. **FRANK MOORE,** Madison, Ind. 12-7

**Barred Plymouth Rocks, Standard Bred and Good** layers. Eggs, \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

**White Rocks—Fishel Strain Direct—Standard** bred; large, pure white; heavy layers. Eggs, \$1 per 15. E. C. PURDY, Box 2, Croton Falls, N. Y. 12-8

**Pure Ringlets Direct from Thompson.** My Barred Plymouth Rocks are the finest I ever raised. Breeding and Exhibition Birds for sale, both Cockerel and Pullet line bred. Eggs, from first prize pens, \$3 per setting. Your money back if not pleased. Mention The Feather. A. J. CHEEK, Henderson, N. C. 12-7

**White Rocks—Pure White.** Eggs from First pen, \$1.50 per 15; second pen, \$1 per 15. Order early and send cash. **CHET CLEARWATER,** Farnhamville, Iowa. 12-7

**Gregory's White Plymouth Rocks.** Fishel's strain Cockerels, \$1.50 up. Single-combed Buff Orpingtons' pure eggs \$1.50 per setting. **HARRY W. GREGORY,** Chapman Quarries, Pa. 12-7

**Oak Grove Poultry Yards—Special Sale to Make** room for my Breeder's Barred White and Buff Rocks and S. C. W. Leghorns, \$1.50 each. Eggs from my best pens, \$1 per 15; \$2.50 per 45; \$5 per 100. **MRS. R. P. HINES,** Olney, Md. 12-7

**Eggs Count.—Dunderberg White Rocks Are Bred** for eggs. 20 pens of breeders, pure white, correct shape. Eggs, \$6, \$7, \$8, \$10 and \$15 per hundred, according to record of egg production. A few fine Cockerels left, \$2.50 to \$5. **DUNDERBERG POULTRY YARDS,** Tomkins Cove, N. Y. 12-7

**Barred Plymouth Rock Eggs for Hatching,** Bradley, Iles, Wells Strains. \$1 per setting; \$5 per 100. **GEORGE HOWARD, JR.,** South Bound Brook, N. J. 13-4

**White Plymouth Rocks, U. R. Fishel's Strain—**direct; six grand pens mated; every bird a bird of "superior" quality. If you want to hatch winners and layers write and get acquainted. Egg orders booked now at \$2 per 15; \$5 per 45; \$10 per 100. Write for circulars—It's a business proposition. **COOLSPRING POULTRY YARDS,** Plummer McCullough, Proprietor, Mercer, Pa. 12-7

**Buff Rocks Exclusively—Farm Raised, Vigorous** and healthy; fine color; prolific layers. Eggs that hatch, 15 eggs, \$1. **HOWARD HESTED,** New Albany, Pa. 12-7

**Buff and Barred Rocks, Barred Thompson Strain,** Buff leading strains of America. Stock and eggs \$1 for 15; \$5 for 100. **MRS. J. W. TETRICK,** Williamson, Pa. 12-7

**Marburger's Barred Rocks Win at Lititz,** the hatching show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. **A. W. MARBURGER,** Lock Box 26, Denver, Pa. 12-10

**Buff Plymouth Rocks, Winners of the State Silver** Cup at West Haven, and specials for best shape and color; gold special at N. Britain for best cockerel; scores 94 points, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. **F. ZWICK,** Seymour, Conn. 12-10

**Buff Plymouth Rocks, Nugget Strain—Eggs in** season, \$2.50 for one setting; \$4 for two settings; no stock for sale at present. **WILLIAM HOWE,** Hudson, Pa. 12-7

**Extra Quality Buff, Barred and White Rock** pens, headed by Thompson and Fishel males. Stock for sale. Eggs \$1.50 per 15. **WILL TOUTON,** Ft. Atkinson, Wis. 12-7

**White Rocks, Fishel Strain, Males and Females** scoring to 95. Barred Rocks, Bradley strain, scoring to 93. Eggs, \$1 per 15; incubator eggs \$5 per 100. Why pay \$5 per setting for eggs no better? **BOWKER POULTRY FARM,** Box F, Dublin, Ind. 12-8

**Plymouth Poultry Farm, White and Barred Rock** cockerels for sale. March hatched. Our birds are as good as grow and if we fill your order you will get more than your money's worth. Eggs for sale. Correspondence cheerfully answered. **Mrs. T. E. SKIVER,** Kentland, Ind. 12-7

**White Rocks—Just Bought a Whole Breeding** yard direct from A. C. Hawkins. Eggs \$2.50. Circular free. **J. E. CHRISTIE,** Garfield, N. J., Route 13. 12-7

**Buff Rocks, Utility Bred, as Well as Prize** winners. They hold their own in the best of company. A few breeders for sale. Eggs, \$2 per setting. **THEO. BENNER,** Bunker Hill, Ill. 12-7

**White Plymouth Rocks.—Eggs \$2 per 15.** Prize winners, trio for \$9. Mammoth Bronze turkey eggs \$3 for 10. **GEO. PARKINSON,** Peach Orchards, Sumas, Wash. 12-7

**B. P. Rocks—Thompson, Hawkins, and Bradley** strains. Shipped on trial. See what you are buying. Pullets and Cockerels \$1 and np; no finer bred. **MRS. EDITH CHELTON,** Landowne, Md. 12-7

**For an Inducement Will Sell Eggs 75c per Set-** ting, White and Barred Rocks and White Wyandottes. My birds are noted for their great laying as well as show points. **C. L. YERGY,** Douglassville, Pa. 12-8

**Barred Plymouth Rocks—Egg-laying Strain—**Eggs only \$1 per 15. **R. WALKER JACKSON,** Asylum Pike, Frankford, Philadelphia, Pa. 13-4

**Barred P. Rocks—Have Bred Them 17 Years for** heavy egg production; great vigor; yellow legs and clear barring and now have a strain that stands the test. Eggs from choice pullet or cockerel matings \$2 per 15; \$5 per 50; incubator eggs \$6 per 100. **CRYSTAL POULTRY FARM,** Route 1, Washington, N. J. 12-7

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**Mrs. C. W. Harrington, Harford Mills, N. Y.—**Buff Leghorns exclusively. Cup winners in 1904 and blue ribbon winners in 1905. Breeding birds and young stock for sale. 12-6

**For Sale.—Prize Winning Single Comb Brown** Leghorns, 21 years a breeder of this variety, and won hundreds of prizes. **E. S. SCHALLER,** Clark, Pa. 2-5

**Single-combed White Leghorns.** Eggs for Hatching and little chicks from fine standard and utility stock. Prices very reasonable. **OTTO BROTHERS,** Box 779A, Rochester, N. Y. 12-11

**Kulp Direct Brown Leghorn Cockerels; Scored 90** to 94½ (Helmlich); \$1 and np; extra fine Rankin direct Pekin ducks; extra large. **OSCAR WELLS,** Farina, Ill. 12-5

**A Bargain in S. C. Buff Leghorns. Entire Stock** young and old \$1 to \$2 each. **MISS J. R. JONES,** R. F. D. 1, Tobaccoville, N. C. 12-5

**Prize Winning Rose-Combed White, Single-combed** Brown Leghorns; Barred and Buff Rocks. Stock from birds that scored to 96, \$1 np. **FRANK WENDT,** Alden, Minn. 12-5

**Single-combed Brown horns \$15 Per Dozen;** one fine cockerel free with each dozen pullets. No better anywhere at any price. **L. S. CARTER & CO,** Hammond, Platt Co., Illinois. 12-5

**200 Fine Rose-combed White and Brown Leghorn** cockerels for sale; also pullets and hens. Prices right. **J. W. COOK,** Route 7, Blinfont, Ind. 12-5

**Single Comb White Leghorns, Wyckoff Strain.** Stock for sale from my Butler winners, scoring from 91½ to 95½. **RALPH OLIVER,** Punxsutawney, Pa. 12-6

**For Sale.—S. C. White Leghorns, Wyckoff Strain.** Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. **D. H. SCHALLER,** Clark, Mercer Co., Pa. 12-9

**For Sale.—S. C. White Leghorn Cockerels,** Hatched April 1, \$1.50 each. White Wyandotte cockerels. Stock from Bltmore Estate. **G. W. CRANE,** Rahway, N. J. 12-6

**Single Comb Brown Leghorn Eggs for Hatchings** from stock bred according to Standard requirements and good layers, \$2 for 15. **STEWART L. HOUCK,** 5th St. West, Easton, Pa. 12-6

**White and Brown Leghorn Cockerels and Pullets** for sale. Fancy stock, \$1 to \$2 each; also imported Homer pigeons, mated, \$1 pair. Bank reference. **JOHN B. WADDILL,** Tate Spring, Tenn. 12-6

**S. C. Brown Leghorns, Some Good Hens, and** two cocks for sale cheap. Need room. Satisfaction guaranteed. Order soon. **GEO. W. OS-TERHOUT,** Bedford City, Va. 12-6

**Rose Comb White Leghorn Cockerels, \$1 each.** Fine thoroughbred stock. Eggs in season, \$1 per 15. **ELLA L. WALTMAN,** Route 44, New Albany, Pa. 12-6

**S. C. White Leghorns.—Winners at Rochester,** Syracuse, Frankfurt, Schenectady and Albany. Birds of quality in cocks, hens, cockerels and pullets. **G. S. MOORE,** Trenton Falls, N. Y. 12-9

**Single-combed White Leghorns (Specialist)—I** have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. **SAMUEL S. BLIEM,** R. D. No. 5, Pottstown, Pa. 12-10

**Single-combed White Leghorns—Have Wyckoff,** Blanchard Strain; yearling hens \$1 each; pullets 75c; prize winners at Hagerstown. **F. G. ZIMMERMAN,** Limekiln, Md. 12-5

**For Sale—Fine Lot of Buff Leghorns, Cockerels,** and Pullets for breeders, which I guarantee to please purchaser. Catalogue free. **CLARENCE SHENK,** Luney, Va. 12-7



**Leghorns**—Single-combed White, Brown, Buff, and Rose-combed White, and Brown. Eggs 15, \$1; 100 \$5. MRS. S. RIDER, Maryland, Otsego, Co., N. Y. 12-7

**Single-combed White Leghorns**—Heavy Winter layers 1 won first, second pullet, second, third hen, third cockerel at Providence, December, 1906; choicely mated trios \$4 and up. Eggs \$1, \$2, \$3 per 15. If you want quality write. RALPH E. TAYLOR, Hope Valley, R. I. 12-7

**Rose-combed Brown Leghorns Exclusively**. Eggs from farm ranging stock that will produce winners, \$1 per 15; \$5 per 100. KENNEL BROS., Atglen, Chester Co., Pa. 12-7

**My S. C. Brown Leghorns Are Standard Bred and great layers**. Eggs \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

**Gold Dust Rose-combed Buff Leghorns (Original)** Greatest egg producers in cold weather of any breed on earth; also the most beautiful, largest breeder, finest flock in the world (circular). F. BOOMHOWER, Gallupville, N. Y. 12-7

**Single-combed White Leghorns**—Two Hundred Breeders scoring 91 to 95. Fine white birds. Eggs four cents each. WEJA LEGHORN FARM, Box 31, Kenton, Ohio. 12-7

**Single-combed Brown Leghorns**—Winners at Allegheny, Cincinnati, Pittsburg, East Palestine, Canal, Dover, Salem, and East Liverpool. Fine cockerels, hens, and pullets for sale. Write for particulars and prices. FRED H. COOK, Beaver, Pa. 12-7

**Single-combed Buff Leghorns (Wickoff Strain)** Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Cahill St., Lynchburg, Va. 12-10

**R. C. Brown Leghorns (Kulp's Female Line)** Eggs from pens, having free range, \$1 per 15; cockerels \$2 each. WM. GAFFEY, South Worcester, N. Y. 12-7

**Grand Cockerels, R. W. Leghorns, R. Buff Leghorns**. Eggs from three prize matings of Reds and R. W. Leghorns. A. G. GILLETTE, Gloversville, N. Y. 12-7

**Single-combed White Leghorn Eggs \$1.50 per 15**. Winners at this winter's shows. Birds in breeding pens score over 90. Satisfaction guaranteed. ROBERTS POULTRY FARM, Salem, Mich. 12-7

**Rose-combed Buff Leghorns, 4 Good Cockerels and 4 good Pullets to close out**. THEO BENNER, Bunker Hill, Ill. 12-5

**Exhibition Single-combed Brown Leghorns**. Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

**Rose-combed White and Brown Leghorn Eggs for Hatching**; 8 premiums, 5 specials at Binghamton Industrial Exposition. FINCH BROS., 268 Clinton St., Binghamton, N. Y. 12-5

**White Leghorn Eggs for Hatching**—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

**Prize Winning Single-combed White Leghorns and Silver-spangled Hamburgs**. Eggs \$1.50 per setting. WAVERLY GAME YARDS, Jos S. Knapp, Waverly, Baltimore, Md. 12-7

**Blue Ridge Poultry Yards, S. C. White Leghorns exclusively**. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1.50 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9

**Rose-combed Buff Leghorns**—Stock and Eggs, C. S. CRUMBLING, Marysville, Pa. 12-7

**Single-combed Buff Leghorns**—Stock and Eggs for sale. Large size; persistent layers. Place orders early. OVERBROOK POULTRY FARM, H. T. Stickney, Jay, N. Y. 12-7

**Eggs \$4 per 100**. Rose-combed Brown Leghorns; exclusively high scoring prize stock. Eggs guaranteed fresh and fertile. F. BUSHNELL, Chatham, N. Y. 12-7

**R. C. White Leghorns**—Few Good Birds for sale. Winners at Newark, Dover, and Morristown. Eggs \$2 per 15. BONNIEBROOK FARM, Stillwater, N. J. 12-7

**Single-combed White Leghorns (Blanchard Strain)** Silver-spangled Hamburgs; good layers. Eggs \$1.50 per 15; \$2.50 per 30; \$6 per 100. H. JOHNSON, Troy, Pa. 12-7

**America's Best Single-combed Buff Leghorns**—Arnold's, Lamon's, Cornell, and Wyckoff strains. Eggs \$1 per setting; cockerels for sale. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-7

**Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns**. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

**R. C. White Leghorns**, Eggs, \$150 per 15, \$2.50 per 30, \$6 per 100. No stock for sale until fall. R. W. PRICE, Troy, Pa. 12-10

**Pent's Single-combed Buff Leghorns**, Waynesboro, Pa., Box 57, Route No. 2. 12-7

**Rose-combed Buff Leghorns**—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

**Rose-combed Brown Leghorns**. Try Tabor's 220 eggs and exhibition strain; New York 1st ck, 2d ck; Boston, 1907, 1st hen, 1st pullet, 2d and 5th cks; Johnstown, 1st and 3d cks; Auburn, 1st ck. Catalogue eggs. F. C. TABOR, Worcester, N. Y. 12-7

**Single-combed Brown Leghorns**. Stock and Eggs from Hagerstown, Lititz, and Dallastown winners. Before placing your order write for prices. S. J. HARLACHER, Hanover, Pa. 12-7

**Black Leghorns, Yellow Legs, None Better in America**; also Duckwing Leghorn; winnings furnished on application; stock and eggs for sale. GEO. GRANDY, Johnstown, N. Y. 12-7

**Our S. C. White Leghorns Possess Individuality, vigor, beauty, and are bred to lay**. Eggs for hatching, \$1.75 per 15; \$4 per 50; \$7 per 100. Incubator chicks, \$2 per dozen; \$12 per 100. BIRCHWOOD POULTRY FARM, Box 417, Fishkill, N. Y. 12-7

**Rose-combed White Leghorns Exclusively**—20 years breeding. Ribbon winners 9 leading shows, including Madison Square Garden, Indianapolis, Hagerstown, Johnstown, and others. Our birds have small low combs, good size, shape, and color. Several of the finest pens mated with winning males. Can guarantee 9 chicks and prompt delivery. Mention The Feather. Eggs, \$1 per 15; \$3 per 50; \$5 per 100. A. C. NESTER & SON, Pottstown, Pa. 12-7

**Single-combed White and Brown Leghorns, Pekin and Indian Runner Ducks**. Eggs, \$1 per setting. Incubator lots special price. Toulouse Geese. FAIRFIELD FARM, Nokesville, Va. 12-7

**Single-combed Buff Leghorns Exclusively**. Winners and grand egg producers. Eggs in season. Stock for sale. M. C. SWARTWOUT, Box 200, Groton, N. Y. 12-7

**1200 Pure Bred S. C. White Leghorns**, Large egg strain, on farm of 135 acres. No stock for sale until fall. Orders booked now for eggs for hatching. HICKORY HILL POULTRY CO., Troy, Bradford Co., Pa. 12-7

**Four Trios S. C. Brown Leghorns at \$5, 10 cockerels, \$2 each**. N. B. WARNER, Hamilton, Va. 12-5

#### WYANDOTTES

**Buff Wyandottes Exclusively**. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-7

**Mapleside Strain White Wyandottes**—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-7

**Silver Laced Wyandottes**—Only Cockerels and Pullets. Standard marked birds at right prices. T. K. McDOWELL, Asylum Pike, Philadelphia, Pa. 12-5

**High-class White Wyandottes Exclusively**. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

**White Wyandottes and White Holland Turkeys**. Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

**Hacker's White Wyandottes; Free Range; High quality**. Breeders and exhibition stock. Pens, \$15; cockerels, \$3, \$5, \$7. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-5

**White Wyandottes**—Winners Wherever Shown. Layers wherever grown. Stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis, Junction, Md. 12-5

**Ashmead's Partridge Wyandottes Are Winners and layers**. Four hundred birds now ready to go. I am making special prices on birds this month. C. R. ASHMEAD, Nevada, Mo. 12-5

**1,000 Buff Rocks and White Wyandottes**; Hail has partly ruined crops. Must sell. Remember prize-winners are hatched from my eggs. ALLEN SECHRIST, Port Trevorton, Pa. 12-5

**For Sale**—Snow White Wyandottes, Finest Strain in America. Pullets and cockerels. Two snow white cocks, \$3 each. W. H. CLEMENS, Saginaw, Pa. 12-5

**If You Want the Best Try the Royal Strain White Wyandottes**; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

**Columbian and Golden Wyandottes; Breeding and exhibition birds**. L. H. DAVIS, Port Jefferson, N. Y. 12-5

2, hen 4, pul 3, Wm. Cook & Sons; ck 3, pul 2, R. C. Greene; ck 4, hens 2, 3, cks 2, 4, pen 4, J. W. Andrews; ck 1, W. J. Clark; hen 1, J. S. Haupt; ck 1, W. L. Weddigen; ck 3, pul 1, C. E. Bass. ROSE-COMBED WHITE: Pen 1, Wm. Cook & Sons. SINGLE-COMBED JUBILEE: Pen 1, Wm. Cook & Sons. SINGLE-COMBED SPANGLED: Pen 1, Wm. Cook & Sons. SINGLE-COMBED BLACK: Cks 4, 5, pens 2, 4, Wm. Cook & Sons; ck 1, hens 3, 4, cks 1, 2, pul 2, pen 3, Sunwick Poultry Farm; ck 2, hen 2, cks 3, 5, pul 1, 4, 5, pen 1, Willow Brook Farm; ck 3, ck 1, pul 3, W. M. Bell; hens 1, 5, Owen Farms; pen 5, Dr. M. S. Sherwood. ROSE-COMBED BLACK: Ck 1, hen 1, ck 1, pul 1, pen 1, Wm. Cook & Sons; pul 2, J. S. Haupt. WHITE: Cks 2, 3, 4, hens 1, 2, ck 5, pul 1, 4, pen 1, Willow Brook Farm; ck 1, ck 3, H. A. Kirby; hen 4, pen 2, Sunwick Poultry Farm; hens 3, 5, cks 1, 2, 4, pul 2, 3, 5, W. M. Bell; pen 5, Wm. Cook & Sons; pen 3, Worthington Poultry Yards; pen 4, Elm Poultry Yards. A. O. V.: Ck 2, hen 2, ck 2, pul 3, Wm. Cook & Sons; cks 3, 4, hen 1, cks 1, 3, pul 1, 2, F. O. Megargee; ck 1, hen 3, Owen Farms.

#### MEDITERRANEAN

**Leghorns**—SINGLE-COMBED BROWN: Cks 1, 2, 3, 5, hens 1, 3, cks 1, 5, pen 1, Grove Hill Poultry Yards; ck 4, ck 1, G. C. Brinkerhoff; hen 2, pul 2, 4, Miss S. Pitchlynn; hens 4, 5, Exmoor Farm; ck 2, J. Bleistein; ck 1, A. O. Preston; pul 1, 3, 5, B. W. Hubbard. SINGLE-COMBED BLACK: Ck 2, hen 1, ck 1, pul 1, pen 1, E. G. Wyckoff; ck 2, hen 2, pul 3, W. M. Osborne; ck 4, hen 3, ck 3, pul 2, Exmoor Farm; ck 1, hen 4, ck 2, A. F. Noll. ROSE-COMBED BROWN: Ck 2, hens 1, 2, cks 1, 3, pul 1, 2, 3, pen 1, E. D. Pearson; ck 4, hen 5, Mrs. G. B. Inches; ck 3, hen 4, E. R. Spenser; ck 1, ck 1, pul 4, pul 2, W. T. Liddell; ck 5, hen 3, ck 1, pul 5, W. Cadman; ck 2, Gale Poultry Place; pen 4, Mrs. Paul Kyle; pen 3, J. Forsyth. SINGLE-COMBED WHITE: Cks 1, 2, 5, hens 1, 3, ck 3, pul 1, 3, pen 2, D. W. Young; ck 3, ck 2, pens 1, 5, E. G. Wyckoff; hen 5, G. A. Barrows; ck 4, hen 2, ck 1, pul 5, pen 4, Elm Poultry Yards; hen 4, ck 1, pul 2, 4, 1, F. Rice; ck 4, pen 3, Rock Hill Poultry Farm. SINGLE-COMBED DUCKWING: Ck 2, hen 2, ck 1, pul 1, Thos. Peer; ck 4, hen 1, ck 4, pul 3, E. G. Wyckoff; cks 1, 2, hens 3, 4, cks 2, 5, pul 2, 5, Exmoor Farm; ck 3, pul 4, W. B. Richardson. ROSE-COMBED WHITE: Cks 1, 2, 4, hens 1, 4, 5, cks 2, 4, 5, pul 1, 3, pen 2, Rocky River Poultry Farm; ck 3, hen 3, ck 3, pul 5, pen 3, Bonnie Brae Poultry Farm; hen 2, pul 4, G. H. Trombly; ck 1, pul 2, pen 1, Jas. Forsyth. BUFF: Ck 1, hen 4, pul 5, E. D. Cornish; ck 5, ck 3, pul 2, 3, pens 1, 4, Willanna Farm; ck 2, hen 2, ck 1, pul 4, B. O. Shilling; cks 3, 4, hens 1, 5, pul 1, pen 3, E. G. Wyckoff; ck 1, Monmouth Poultry Farm; ck 2, Fairbank & Hovey; ck 1, pul 2, Thos. Peer. SILVER DUCKWING: Pen 1, E. G. Wyckoff. Minorcas—BLACK: Ck 5, hen 1, Willona Farm; ck 1, ck 4, A. Threthaway; ck 4, hen 4, pul 5, pen 1, F. McGrann; ck 2, hen 3, ck 3, pul 1, 3, pens 3, 5, Klee Bros.; ck 3, hen 2, ck 1, pul 4, pen 2, J. P. Hildorfer; hen 3, pul 2, Greystone Poultry Farm; ck 5, Roland Story; pen 4, H. W. Billard. WHITE: Cks 3, 4, hen 1, ck 1, 5, pul 2, 3, H. C. Meiselback; ck 2, hen 4, Hemmeger & Shinnbrook; ck 1, hen 3, ck 1, pul 1, Wm. Sapper; ck 5, pul 4, E. G. Noonan; hens 2, 5, cks 2, 3, Sunny Rock Poultry Yards; ck 4, Winona Farm. ROSE-COMBED BLACK: Cks 1, 2, 4, hens 1, 2, 3, cks 2, 4, pul 2, pen 1, Geo. H. Northup; ck 3, ck 1, 1, T. A. McKittrick; ck 5, pul 5, G. B. Inches; ck 3, G. M. Williamson; pul 3, 4, E. Collins & Son. ROSE-COMBED WHITE: Cks 2, 3, 5, hens 2, 3, H. C. Keene; ck 1, hen 1, F. W. Proctor; ck 4, hen 4, ck 1, pul 1, 2, pen 1, G. A. Clark. Andalusians—BLUE: Ck 2, hen 1, ck 1, pul 3, W. V. Young; ck 1, hen 2, ck 1, pul 2, T. F. Best; ck 3, pul 1, R. H. Quackenbush; ck 1, pul 4, E. H. Morris. Spanish—BLACK: Ck 1, pul 1, W. Kennedy.

#### POLISH

**WHITE-CRESTED BLACK**: Ck 1, hen 1, ck 1, pul 2, W. G. Minich; ck 2, hen 2, Chillmark Farm; cks 2, 3, pul 1, pen 1, Deepdale Poultry Farm; pul 3, Mrs. E. B. Jenks. GOLDEN: Ck 4, hen 3, W. F. Lewis; cks 2, 3, hen 1, 2, Glenbreckin Farm; ck 1, hen 4, Gough's Poultry Yard. WHITE: All to Mill View Farm. BEARDED GOLDEN: Ck 1, W. G. Minich. BEARDED SILVER: Hen 1, ck 1, W. G. Minich. BUFF-LACED: Ck 2, hen 1, 4, H. W. Lance; ck 1, W. G. Minich; cks 3, 4, hen 2, 3, pul 1, Mill View Farm.

#### DUTCH AND FRENCH

**Hamburgs**—GOLDEN SPANGLED: All to Richard Oke. SILVER-SPANGLED: Ck 1, hens 2, 3, cks 1, 3, pul 2, 3, R. T. Paine, Jr.; ck 2, hen 1, ck 4, pul 4, Rev. W. Tunncliffe; ck 3, hen 4, ck 2, pul 1, Richard Oke. GOLDEN-PENCILED: Ck 2, hen 2, ck 2, pul 2, M. R. Jacobus; ck 1, hen 1, ck 1, pul 1, Richard Oke. SILVER-PENCILED: All to Richard Oke. BLACK: Ck 2, W. G. Minich; ck 1, hen 1, ck 1, pul 1, Richard Oke. Houdans—Ck 4, hen 3, C. E. Arnold; ck 2, hen 2, A. W. Jones; ck 3, hen 2, ck 2, pul 2, E. H. Morris; ck 1, hen 1, ck 1, pul 1, J. F. Clough. Crevecoeurs—All to Richard Oke. La Fleche—All to Richard Oke.

#### MISCELLANEOUS

**Faverolles**—SALMON: Cks, 1, 2, hens 2, 3, cks 1, 3, pul 1, 3, pen 1, Wisacre Poultry Farm; hen 1, ck 1, pul 2, C. F. Hanna. Lahenvelders—All to R. C. Greene. Silkies—Male any age 5. E. H. Morris; male any age 3,

4, female any age 4, 5, Miss G. Watt; male any age 1, 2, female any age, 1, 2, Peapack Farm; female any age, 3, A. H. Chambers.

#### GAMES

**BLACK-BREASTED RED**: Ck 2, hens 1, 2, ck 1, pul 1, J. Glasgow; ck 1, F. G. Bouquet; ck 1, J. A. Clark; ck 2, pul 2, 3, W. H. Mudge & Son. BROWN RED: All to J. Glasgow. GOLDEN DUCKWING: Ck 1, hen 2, F. X. Kinzie; hen 1, ck 1, F. Fenwick. RED PYLE: Ck 2, hen 1, cks 1, 2, pul 1, F. X. Kinzie; ck 1, J. Glasgow; hen 2, F. G. Bouquet. INDIAN: Ck 5, P. L. Kinney; cks 1, 2, 4, hens 1, 2, cks 1, 2, 3, pul 1, 3, 4, H. A. Kirby; ck 3, Oakland Poultry Farm; hen 4, Worthington Poultry Yard; hen 5, pul 2, Exmoor Farm; hen 3, F. N. Thomas, Jr.; ck 4, H. M. Carpenter; pul 5, Chilmark Farm; pen 1, W. H. Hearsfield; pen 2, Dr. T. M. Scharlock. WHITE INDIAN: Cks 1, 2, hens 1, 2, cks 1, 3, pul 1, 2, pens 1, 2, Rosemary Farm; ck 2, pul 2, pen 3, Willmount Farm. BLACK OR BROWN RED PIT GAME: Ck 4, E. Saupé; cks 1, 2, hens 2, 3, cks 1, 3, 5, pul 1, Silas Woodell; ck 5, C. E. Forest; ck 3, hens 4, 5, B. L. Sackett; hen 1, cks 2, 4, D. G. Hetfield. SILVER OR GOLDEN DUCKWING. All to C. Sackett. A. O. C. PIT: Ck 1, hen 1, ck 3, D. G. Hetfield; hen 2, cks 1, 2, pul 1, 2, pen 1, Deepdale Poultry Farm; hen 3, pul 4, B. L. Sackett; ck 4, S. Woodell; ck 1, 5, R. C. Cornell; pul 3, C. E. Forest.

#### BANTAMS

**BLACK-BREASTED RED GAME**: Ck 2, Dr. S. J. Fairbank; ck 5, pul 1, B. C. Thornton; ck 4, J. W. Fields; ck 3, W. Hammall; ck 1, cks 2, 4, 5, Havemeyer Bros.; hen 3, pul 2, 1, Keator; hens 1, 2, ck 1, pen 2, Short Hill Bantam Yard; hen 4, ck 3, pul 5, Hermitage Bantam Yard; hen 5, pul 3, pen 1, Dr. W. C. Cleckley; pul 4, John Filking. BROWN RED GAME: Ck 3, hen 3, pul 2, 4, E. W. Mason; ck 2, hen 4, Hermitage Bantam Yard; ck 1, hen 2, ck 1, pul 1, Havemeyer Bros.; hen 1, cks 2, 3, Short Hill Bantam Yards; ck 4, pul 5, F. D. E. Stowe; pul 3, W. Hammall. GOLDEN DUCKWING GAME: Ck 2, hen 4, pul 3, 4, Short Hill Bantam Yard; cks 3, hen 2, ck 3, pul 2, Hermitage Bantam Yard; ck 1, hen 1, ck 1, Havemeyer Bros.; hen 3, ck 2, W. Hammall; pul 1, E. W. Mason. SILVER DUCKWING GAME: Ck 3, pul 4, Hill Side Poultry Yard; ck 1, hen 2, ck 2, pul 2, B. C. Thornton; ck 2, hen 1, ck 1, pul 3, F. D. E. Stowe; hen 3, pul 1, Havemeyer Bros. RED PYLE GAME: Ck 1, pul 1, B. C. Thornton; ck 3, cks 1, 2, pul 2, pen 1, Short Hill Bantam Yard; ck 4, ck 4, pul 3, Havemeyer Bros.; ck 3, pul 4, Hermitage Bantam Yards. BIRCHEN GAME: Ck 2, hen 3, pen 1, Short Hill Bantam Yard; ck 1, hen 1, ck 1, 2, pul 1, Hermitage Bantam Yard; ck 3, hen 2, ck 4, pul 2, 3, Havemeyer Bros.; ck 3, B. C. Thornton; pul 4, W. Hammall. WHITE GAME: Ck 1, hen 2, Short Hills Bantam Yard; ck 2, pul 1, Mander & Schall; hen 1, Havemeyer Bros. A. O. V. GAME: Ck 1, pul 1, Mrs. R. Whitaker; ck 2, ck 2, Miss J. D. Riggs; hen 1, J. Fillikin. GOLDEN SEBRIGHT: Ck 1, hen 1, ck 1, pul 2, H. R. Duval; ck 4, hen 2, ck 3, pul 3, pen 1, C. H. Proper; ck 2, hen 3, ck 1, pul 1, Richard Oke; ck 3, hens 4, 5, Geo. E. Rowland. SILVER SEBRIGHT: Ck 3, hen 5, ck 1, pul 3, H. R. Duval; ck 2, hen 2, ck 3, pul 1, pen 1, C. H. Proper; ck 1, hen 3, ck 2, pul 4, Richard Oke; ck 4, hen 1, 4, Geo. E. Rowland; pul 2, J. W. Mitchell. ROSE-COMBED BLACK: Ck 1, hen 1, S. Threthaway; ck 3, hen 4, 5, C. M. Diffendorfer; ck 2, hen 3, ck 1, pul 2, Richard Oke; ck 4, I. S. Miller; hen 2, E. R. Collins & Son; cks 3, 5, pul 1, 3, G. L. Young; ck 4, pul 4, 5, W. Kennedy; ck 2, J. W. Mitchell. ROSE-COMBED WHITE: Ck 4, hen 2, E. H. Galusha; ck 2, hen 3, ck 1, pul 2, Richard Oke; cks 3, 5, hen 4, cks 2, 3, I. S. Miller; ck 1, hen 1, pul 1, O. M. Diffendorfer. BOOTED, ANY VARIETY: All to Richard Oke. BUFF COCHIN: Ck 5, ck 5, pul 1, 3, pen 1, Rock Hill Poultry Farm; ck 3, hen 3, Miss M. V. Hallock; ck 1, hen 2, ck 3, pul 2, E. R. Collins & Son; ck 2, hen 4, pul 5, T. I. McLeod; ck 4, E. H. Galusha; hens 1, 5, ck 1, pul 4, C. M. Diffendorfer; ck 4, G. E. Large. WHITE COCHIN: Ck 3, ck 1, pul 1, Hill Side Poultry Yards; ck 2, hen 3, Geo. Helm; ck 4, ck 2, pul 3, Awee Bantam Yard; ck 1, hen 1, pul 2, pen 1, Miss M. V. Hallock; hen 2, W. F. Albers; hen 4, E. H. Galusha; hen 5, A. Rheinar. BLACK COCHIN: Ck 5, hen 2, cks 1, 3, 5, pul 3, 4, Miss M. V. Hallock; ck 3, hen 3, E. R. Collins & Son; cks 1, 2, hens 1, 4, ck 2, pul 1, H. B. Congdon; ck 4, hen 5, ck 4, pul 2, J. W. Field. PARTRIDGE COCHIN: Cks 1, 3, hen 1, 2, cks 1, 2, pul 1, 2, C. M. Diffendorfer; ck 2, Richard Oke. LIGHT BRAHMA: Ck 3, hen 2, W. Hayden; ck 1, hen 1, ck 2, G. W. Hillson; ck 2, hen 3, ck 1, pul 1, 2, pen 1, W. S. Orr; ck 3, pul 3, J. H. Welch. DARK BRAHMA: All to C. M. Diffendorfer. WHITE JAPANESE: Cks 2, 3, hen 2, ck 1, W. F. Albers; ck 1, hen 1, ck 2, pul 1, Richard Oke; pul 2, E. Henry Galusha. BLACK JAPANESE: Ck 1, hen 2, W. F. Albers; hen 1, pul 1, Richard Oke. BLACK-TAILED JAPANESE: Ck 3, W. F. Albers; ck 1, hen 1, pul 2, E. H. Galusha; ck 2, hen 2, pul 1, F. A. Otte; hen 3, ck 1, Richard Oke; pul 3, Mosher Bros. JAPANESE, ANY OTHER VARIETY: Ck 2, hens 1, 3, Mrs. E. B. Jenks; ck 1, hen 2, ck 1, pul 1, W. F. Albers; ck 2, F. W. Otte. GRAY JAPANESE: Pen 1, W. F. Albers. POLISH, ANY VARIETY: Ck 1, hens 1, 3, C. M. Diffendorfer; ck 2, hen 2, pul 3, Mrs. Robert Whitaker; ck 3, ck 1, pul 1, Richard Oke; ck 4, I. S. Miller; ck 2, pul 2, H. R. Duval. BARRED PLYMOUTH ROCK: Hen 1, W. M. Shaylor.

#### DUCKS

**PEKIN**: Drake hatched prior to 1906, 3, 4, duck hatched prior to 1906, 4, drake hatched 1906, 2, duck hatched 1906, 2, pen 4, Wm. Bon-



ner; drake hatched prior to 1906, 1, 2, duck hatched prior to 1906, 1, 2, drake hatched 1906, 1, 3, duck hatched 1906, 1, 4, pen 1, South Side Poultry Farm; drake hatched prior to 1906, 5, E. G. Noonan; duck hatched prior to 1906, 3, G. P. Shore; duck hatched prior 1906, Chilmark Farm; drake hatched 1906, 4, duck hatched 1906, 5, pen 2, Bonnie Brae Poultry Farm; drake hatched 1906, 5, duck hatched 1906, 3, Exmoor Farms; pen 3, W. A. J. Kuney. ROUSE: Drake hatched prior 1906, 5, duck hatched prior 1906, 5, pen 3, Dr. W. Conant; drake hatched prior 1906, 1, duck hatched prior 1906, 1, drake hatched 1906, 2, duck hatched 1906, 2, pen 1, John Brett; drake hatched prior 1906, 3, duck hatched prior 1906, 3, E. H. Morris; drake hatched prior 1906, 4, duck hatched prior 1906, 4, drake hatched 1906, 3, duck hatched 1906, 3, pen 4, F. D. Baerman; drake hatched prior 1906, 2, duck hatched prior 1906, 2, C. McClave; drake hatched 1906, 1, duck hatched 1906, 1, pen 2, A. J. Kreutter. MUSCOVY: Drake hatched prior 1906, 4, duck hatched prior 1906, 5, drake hatched 1906, 2, duck hatched 1906, 1, H. M. Carpenter; drake hatched prior 1906, 1, duck hatched prior 1906, 1, South Side Poultry Farm; drake hatched prior 1906, 2, 5, duck hatched prior 1906, 2, 4, Exmoor Farm; drake hatched prior 1906, 3, duck hatched prior 1906, 3, drake hatched 1906, 1, duck hatched 1906, 2, C. McClave; drake hatched 1906, 3, 4, 5, duck hatched 1906, 3, 4, 5, H. Olmisch. AYLESBURY: —Drake 2, ducks 1, 3, G. B. Inches; drake 1, duck 2, E. H. Morris. INDIAN RUNNER: Drake 1, duck 1, pen 1, Dr. W. N. Conant; drake 2, duck 2, E. H. Morris. EAST INDIAN: All to E. H. Morris. A. O. V.: All to Chilmark Farm.

## TURKEYS

BRONZE: Ck 5, hens 3, 5, ckl 4, pul 5, pen 1, G. W. Salisbury; cks 2, 3, 4, hen 4, ckl 2, 5, pul 1, 2, 4, Bird Bros.; ck 1, Peapack Farm; hens 1, 2, ckl 1, 3, Geo. Wolf; pul 3, Miss J. Perry. WHITE: Ck 4, A. V. Crehore; ck 2, ckl 1, 3, hen 3, pul 1, 2, H. A. Kreutter; ck 5, Rock Holland Farm; ck 3, hen 2, F. K. Wismer; ck 1, hen 1, C. McClave; ckl 2, pul 3, Worthington Poultry Yard. A. O. V.: Ck 1, hen 1, C. McClave. SLATE: All to Miss Sara A. Little.

## GEESSE

TOULOUSE: Gander 1, goose 1, pul 3, C. W. King; gander 4, Frank McGrann; ganders 2, 3, ckl 1, goose 2, pul 1, J. C. Sealey; gander 5, goose 5, C. McClave; goose 3, ckl 2, pul 2, pen 1, W. A. J. Kuney; goose 4, Rev. W. Phin Mackey. EMBDEN: Gander 2, ckl 1, goose 2, pul 1, C. W. King; gander 4, goose 4, D. P. Shore; gander 3, goose 3, Glen Brecken Farm; gander 1, goose 1, H. A. Kirby. BROWN CHINESE: Gander 1, goose 2, M. C. Flagg; gander 2, goose 1, C. McClave. WHITE CHINESE: All to C. McClave. AFRICAN: All to Glenbrecklin Farm.

## Auburn

GENERAL disappointment in many localities was felt when the vote announcing that the meeting of the American Poultry Association would be held in Auburn was published. Many thought it would go to New York City. Since the decision many things have occurred that may have quieted any bad feelings. Among these none was stronger than the proposed meeting of the Poultry Institute under the direction of F. E. Dawley, director of the Institute in the state of New York.

The Auburn Show dates were from January 8th to 12th. The institute opened at 10 o'clock Tuesday morning, the 8th, with 116 present, fifty-two of whom were students in the poultry class of the Cornell Agricultural College.

At the first session of the institute Mr. Dawley welcomed the visitors, Mr. T. E. Orr responding to the same in the absence of Mr. Curtis, the president of the association. Following this came the remarkable address of Professor Cowell, of the Maine Experimental Station. We hope, in the near future, to give to our readers the principal parts of this lecture, and illustrate it with the drawings of the buildings that have been so successfully used at that station.

In the afternoon meeting Mr. T. F. McGrew, of this publication, T. E. Orr, of the American Poultry Association, Prof. C. K. Graham, of the Connecticut

Agricultural Station, and Mr. F. E. Dawley spoke in the interests of better facilities for growing poultry, Mr. McGrew paying especial attention to the work that was being done and had been done in the State of New York. At this meeting the question of the danger of roup was well considered, the full text of which we hope in the near future to publish for the benefit of our readers.

At the evening session on Tuesday three lectures were delivered. One was by Professor Graham, one by Professor Rice and the other by Professor Cowell. Each of these professors had a number of beautiful slides which they made use of to illustrate their points by the aid of the lantern. Those not familiar with the work being done, and those not present at this meeting, can scarcely imagine the great work that is being accomplished in research as to the possibilities in poultry culture, from the egg to the market stall and show room.

Wednesday morning was taken up with the School of Judging. Messrs. Orr, Seitz, Trafford, McGrew, Hewes and Purvis taking active part in demonstrating the use of the Standard. Following this came the question box and experience meeting conducted by Professor Rice. This brought out many features of interest to the large audience present. Then came the address of Mr. Kimmey, of Chicago, on "The Ups and Downs of the Poultry Show," and a paper from Mr. Hewes on "The Judge and the Poultry Show."

The attendance at all these meetings was remarkably large, and the audience very attentive. The exhibit at the poultry show at Auburn was a credit to the management. Birds from all sections of the country came together, attracted, we imagine, by the meeting of the American Poultry Association, which followed the Poultry Institute.

## A. P. A. Meeting

The meeting of the American Poultry Association opened at Auburn Thursday, the 10th inst., at 10 o'clock. The morning was taken up in listening to the president's address and the report of secretary-treasurer, during which time the new members were elected. The afternoon was given over to the consideration of the new constitution and by-laws, all of which were adopted without a change from the draft as submitted. There was but little objection to same.

The new constitution as passed calls for an executive body of twelve, consisting of the president, vice-president, secretary-treasurer and nine others, all of whom will be elected by mail, the whole membership having the opportunity to vote. Mr. F. L. Kimmey, of Chicago, was elected as election commission, to receive and count the vote, which is to be recounted by the candidates in August, at the annual meeting, which will occur during that month in the future, and be held for three years in the same place.

A committee was appointed to prepare an illustrated plan for judging dressed poultry and eggs, also one to consider color illustrations for the new Standard that will be issued in 1910, one also to prepare statistics of all matters pertaining to the poultry business, educational and otherwise, so that this may be generally distributed throughout the entire country in the hope that the state and national governments may be induced to

Geo. A. Mead Poultry Yards; Breeder of White and Buff Wyandottes. A few good cockerels at \$1 and \$1.50. WARREN CO., Spring Creek, Pa. 12-5

Silver-laced and Columbian Wyandottes; Choice, vigorous stock. Fine cockerels; eggs in season. Write your wants and receive our prices. "THE POPLARS" FOWLERY, Spring Hill, Mass. 12-5

Express Prepaid on Eggs of Our Choice Matings of "Snowflake" White and Columbian Wyandottes. Eggs, \$2.50 setting, delivered. MORNINGSIDE POULTRY FARM, Robt. Vandrimmelen & Co., Pella, Iowa. 12-6

White Buff and Partridge Wyandotte Eggs, \$1 to \$2 per 15. White and Buff Cockerels. Free booklet tells the rest. WELLSBORO POULTRY YARDS, Wellsboro, Pa. 12-6

White Wyandottes, Pronounced by Judges to Be the whitest birds wherever shown. Young and old stock for sale; also eggs for hatching from White Wyandottes and Single Comb Black Minorcas. L. G. PLATH, York, Pa. 12-6

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Golden Wyandottes.—Winners at World's Fair, Chicago, Indianapolis, Cincinnati, and every first prize at Louisville (state show) the past four years. If you want fine exhibition stock, fancy breeders, or eggs, write me. W. M. SPALDING, Cox's Creek, Ky. 12-6

Partridge, Golden and Silver Penciled Wyandottes. Eggs, \$1.50 per 15. Satisfaction guaranteed. JAMES SCHRUBB, Urbana, Ohio. 12-6

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 12-2

Staggs' Range Farm White Wyandottes. Remember one of the great laying strains; quick growing; early maturing. Stock and eggs. HENRY W. KRAMER, Specialist, Lineboro, Md. 12-9

Columbian Wyandottes.—My Pullets, Hatched in March, began laying in August, half of my pullets are laying now, in cold weather. They can't help it; they are the Brayton strain. Eggs, 15 for \$3; 30 for \$4. O. F. BLACK, 32 Jefferson St., Newton, Mass. 12-6

Partridge Wyandottes.—Winning at the Great Daltown Show, November, 1906, five firsts, four seconds, silver trophy, cup for best display Wyandottes, any variety. Choice stock for sale. Eggs in season. ENTERPRISE POULTRY FARM, Yoe, Pa. 12-6

For Sale.—White Wyandottes. Cockerels, from \$2 to \$5; hens, from \$1.50 to \$3. Bred from New York and St. Louis winners. R. D. BOL-LARD, New Castle, Pa. 12-6

Partridge, Silver Penciled and Columbian Wyandottes, winners World's Fair, Chicago, Indianapolis, Cincinnati, Cleveland. Stock and eggs for sale. CARVER & AVEY, Columbia City, Ind. 12-6

Golden Wyandottes, Keller and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

Silver Laced Wyandottes; Pure Bred, Perfectly shaped, true lacing, high scoring. From these will sell eggs, \$2 per 15. E. J. KNAUSS, Marion, Ohio. 12-6

Bruce's White and Buff Wyandottes Are Winners for ten years at leading shows. High-class stock for sale. J. R. BRUCE, Box 25, Wooster, Ohio. 12-6

White Wyandottes Exclusively (Duston's and Hallock's direct). Positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. HARRY AULENBACH, "Grand View," Wernersville, Pa. 12-6

Tulip Poplar Poultry Farm. Single Comb Reds and White Wyandottes. Bred for heavy laying. Trap nested. Eggs, \$1.50 per setting. COWPERTHWAIT BROS., Berlin, N. J. 12-6

America's Best Silver Penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Apulia Station, N. Y. 12-6

Columbian Wyandottes a Specialty. Ten Pens. Also a few choice pens Silver Penciled Wyandottes, American Dominiques, Light Brahma Bantams. DR. HARWOOD, Chasm Falls, N. Y. 12-6

White Wyandottes, First Cock at Washington Show selected as having the best type on classes, also fifth cockerel in a strong class. Eggs for sale, \$3 per 15. M. E. ROSE, Takoma Park, D. C. 12-7

Silver-penciled Wyandottes, Cornell Strain. Won 3 firsts, 4 second, West Michigan State Fair. Cockerels and pullets \$2 to \$5. JAS. WASON, Grand Rapids, Mich. 12-5

Buff Wyandottes.—Silver Cup Winners. Plenty of ribbons at Sanatoga, Reading and Blandon, Pa., Shows. Stock for sale. Eggs \$1 per setting. H. F. YARNALL, Pottstown, Pa. 12-8

White Wyandottes (Duston Strain). Carefully selected matings from prize winning stock. Eggs \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Proprs., Hagerstown, Md. 12-7

Golden Wyandottes.—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 13-4

Columbian and White Wyandotte Stock for Sale. Eggs from prize winners and record layers; \$2 to \$5 for 15. O. R. EDDY, Oconomowoc, Wis. Box D. 12-7

Columbian and Buff Wyandottes, Rhode Island Reds, little chicks; eggs \$2 per 15; stock first prizes at Dowagiac and Kalamazoo. "JONES, of Dowagiac, Mich." 12-7

Buff and W. Wyandottes. They Are Pure Buff. 7 pen, of breeders and bona fide cockerels and pullets for sale at reasonable prices. A. W. HUNSBERGER, F. D. 2, Hatfield, Pa. 12-5

Our Columbians Won at Detroit, Jackson, Port Huron, and Pontiac 43 ribbons, silver cups, and many specials. Trios, \$15; eggs, \$3 and \$5 per 15. Circular. H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-7

Silver Wyandottes. Winners at Madison Square, Walden, and Kingston. Choice stock for sale; eggs from finest exhibition matings. Circular free. OLIVER CARTER, Tilton, N. Y. 12-7

"Oyster's" Silver-penciled Wyandottes, Select Matings from Madison Square and Hagerstown winners. Eggs, \$2 per 13. EDW. OYSTER, Box A, Strawberry Ridge, Pa. 12-7

Eggs for Hatching. Exhibition White Wyandottes and White Leghorns. Incubator eggs reasonable. Write for circular. FLORIS HILL POULTRY YARDS, Floris, Va., Stroud & Walker, Proprs. 12-7

Thoroughbred White Wyandottes. Pure White birds; good winter layers; stock and eggs for sale. Photos and prices on application. L. E. COULTER, Guilford, Conn. 12-7

Spring Garden Strain Stay White Wyandottes. Get in line by ordering setting eggs, pen trio, pair cockerel; bred from lion and mates strongest female line in East. Record, 176 eggs. C. DARRONE, York, Pa. 12-7

White Wyandottes, Good Hens, Mated to 93 1-2 to 94 1-4 finest male birds; eggs, \$2 per setting; order now. M. T. ROLLINS, Box B, Cardwell, Mo. 12-7

Partridge and White Wyandottes, White Plymouth Rocks, Doodittle, Duston, and Fishel Strains direct. Secret of telling laying hens with every order of stock or eggs. BYERS BROS., Mercer, Pa. 12-10

Buff Wyandottes Bred for Size, Eggs and Exhibition. At two Springfield Shows won 17 prizes, 3 cups. Eggs, \$2 per 15. WALTER BLISS, Ludlow, Mass. 12-7

Whites of Stay White Wyandottes. Great Egg producers. Eggs 75 per cent, fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOENAKER, Laceyville, Pa. 12-7

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 13. H. F. CHASE, Andover, Mass. 13-4

White Wyandottes. Have Bred Them 17 Years and for white plumage, shape, and egg production they can not be surpassed. Eggs from choice snow-white matings, \$2 per 15; \$5 per 50. Incubator eggs, \$6 per 100. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-7

Columbian Wyandottes Exclusively. The Coming fowl; eggs, \$3 and \$5 per setting from my Carlisle winners. W. G. FREDERIC, N. Factory St., Carlisle, Pa. 12-7

Buff Wyandottes. Exhibition and Breeding Stock, bred from prize winners, all ready for business. Eggs in season. Circular free. J. E. WILLMARTH, Cumtityville, N. Y. 13-4

White Wyandottes Exclusively. Duston's Strain. Photographic circular of my first and second prize winners free. Eggs, \$1.50 per 15. J. IRWIN GERHART, Wernersville, Pa. 12-7

White Wyandottes. Duston Strain. Eggs, \$1 per 15; \$5 per 100. Many thousands of satisfied customers. Can fill large orders promptly. ELMER GIMLIN, Taylorville, Ill. 12-7

Columbian Wyandottes. Best That Skill and long experience can produce. Stock and eggs. Eggs 10c, 20c, and 30c each. CYRUS BACHELDER, North Havenhill, N. H. 12-7

Duston Wyandottes. Positively Pure, Large, snow-white layers. Eggs, \$1.50 per 13; \$4.50 per 50. Circular free. J. E. CHRISTIE, Garfield, N. J., Route 13. 12-7



Many Years a Breeder of White Wyandottes, Duston strain, and Pekin Ducks, Rankin strain. My birds are beautiful, healthy and unsurpassed in laying qualities. I treat all of my customers fairly and guarantee satisfaction and I know that I can please you. Eggs in season. Wyandotte, \$1.50 for 15; Duck, \$1 for 11. L. HARRIS CREWE, Still Pond, Md. 12-7

White Wyandottes Exclusively. The Kind That stay white; Standard bred from vigorous blocky birds. If you want the best write me. Stock and eggs in season. FRANK L. SMITH, Box 226, Flemington, N. J. 12-7

Our Columbian Wyandottes Won First Cockerel and second pullet at Hagerstown, 1906. Stock and eggs for sale. ENGLE BROS., Hummelstown, Pa. 12-7

Golden Wyandottes Only. Keller Strain. Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. W. S. BUSS, Catasauqua, Pa. 12-10

White Wyandottes, Thirteen First Prizes, 1906; first prize, males and females, for sale; first pen all first prize birds. Eggs, \$3. A. A. MILLER, McKeesport, Pa. 12-7

White Wyandottes Bred for Business. Fine, large birds, heavy layers, guaranteed to give satisfaction. Eggs, \$1.50 to \$2 per 15. L. V. GILLINGHAM, Accotink, Va. 12-7

Duston Strain. Exclusively Choice White, breeding cockerels; bred from the best; \$2 and \$3. Satisfaction guaranteed. Booklet. STANLEY E. ASSON, New Egypt, N. J. 12-5

Silver-laced Wyandottes, Exceptionally Fine Standard marked Cockerels. Dr. Beckett's celebrated strain; satisfaction guaranteed or money refunded; \$3 to \$4 each. Now booking orders, eggs for hatching. \$2 for 15. J. PERCY SMITH, Woodbury Heights, N. J. 12-7

Partridge Wyandottes. Winners at Chicago, Detroit, Holland, Ann Arbor, etc. Eggs, \$4 per 13; stock for sale. Circular. DR. C. M. BASKERVILLE, Mt. Pleasant, Mich. 12-7

White Wyandottes Exclusively. Duston, Large, Blocky Farm Range. Eggs, 15 \$1; 30 \$1.75; 100, \$5; 200, \$9; 300, \$12. WILLIAM GALBRAITH, Route 12, Chambersburg, Pa. 12-7

Plain White Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte Cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalog. LEWIS, Magnolia, N. J. 12-7

White Wyandottes—"Duston Strain." Eggs a specialty from fine matings. Some exhibition and breeding stock for sale. Write me your wants and profit by it. LESLIE C. POULTRY FARM, J. E. Haynes, Prop., Prairie du Rocher, Ill. 12-7

Eggs, White Wyandottes, 15 for \$1; 50 for \$2.75; 100 for \$4.75. A choice pen of Buff Orpington eggs, same price as above. L. PARSONS, Rosemond, Ill. 12-7

Lewis' Bred to Lay White Wyandottes. High quality business birds. Eggs from choice pens of heavy layers, \$1.50 per 15. Cockerels. EDW. H. LEWIS, Magnolia, N. J. 12-7

You Win with Imperial Strain White Wyandottes. Line bred for past eight years. Satisfaction guaranteed. Write for circulars. IMPERIAL POULTRY YARDS, Box 9, Shrewsbury, Pa. 12-7

White Wyandottes, Fishel Strain, for Sale; Fifty hens and pullets, twenty cockerels, must sell for want of range. Fine birds, pure white, bred for size, laying qualities, and for exhibition. Write me for prices, I can please you. MRS. HARRY FARNHAM, Vermillion, Ill. 12-7

Wyandottes—(White). Eggs, Cockerels, Pullets, and cocks. Will book your order for eggs at \$1 for 13; cockerels and cocks, \$2, \$3, and \$5, pullets \$2 and \$3. All thoroughbred, pure white, no brass, and must please or no sale. E. M. MELLOR, Rugby Poultry Yards, Sykesville, Md. 12-7

Carefully Bred White Wyandottes! Two Pens of eleven birds each; standard weight, pure white; inspection solicited; orders booked now. Eggs, \$2 per 15; \$6 per 50. Also twenty fine cockerels. Prices reasonable. J. S. LUDINGTON, Patterson, N. Y. 12-6

Thoroughbred White Wyandottes.—Exceptional winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickory Hill, Pa. 12-6

Brookside Poultry Yards. Buff Wyandottes! Fine cockerels and a few trios to spare. Eggs in quantity to suit. Early spring orders solicited. Competent foreman and assistants. MISS MILDRED HAYNES, Prairie du Rocher, Ill. 12-7

## MINORCAS

S. C. Black Minorcas; Barred Rocks—Young Stock for sale for the fall trade. CHAS. L. BLANTON, Falls Church, Va. 12-7

Single-combed Black Minorcas Exclusively (Northrup strain); 100 choice cockerels for sale; also pairs, trios, and pens (write). B. C. DEYO, New Paltz, N. Y. 12-5

Rose Comb Black Minorcas Exclusively. Breeding and exhibition birds at reasonable prices. Eggs, \$3 for 15; two sittings for \$5. I breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

Dexter's S. C. Black Minorcas; Leading Winners at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9

Beautiful Rose C. W. Minorcas, \$4 per Pair; eggs, \$1.50 per 15; P. Wyandottes, \$3 per pair; eggs, \$1 per 15 in season. J. H. SWISHER, Salem, Va. 12-6

Some Exceptional Values in S. C. Black Minorca Cockerels (Northrup strain). Can supply your wants. Satisfaction guaranteed. DR. E. D. GEIGER, Chenoa, Ill. 12-6

Single Comb Black Minorcas.—Imported Stock direct. No money spared to get the best. A few fine cockerels to spare at reasonable prices. No pullets for sale. E. S. LAWRENCE, Arnot, Pa. 12-5

15 Eggs, \$1! From Prize Winning S. C. Black and S. C. White Minorcas. Some choice birds for sale. CHAS. M. PALMER, Nassau, N. Y. 12-7

"Green-Jet" Rose Combs! Bred Green, Not "to the purple." Exhibition cockerels and breeders. Prices reasonable. Eggs, \$3. GEORGE P. NORTHROP, Westwood, N. J. 12-7

Rose Comb Minorcas, Black and White, Winners Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

Our Black Minorcas Won First Cockerel at Hagerstown, 1906. Exhibition cockerels and eggs for sale. ENGLE BROS., Hummelstown, Pa. 12-7

Ferguson's White Minorcas. Prolific Layers of large, white eggs. Pure bred stock. Eggs \$2 per setting. N. H. FERGUSON, Route 2, Randleman, N. C. 12-7

Here's Your Chance. Must Sell. None Reserved. 75 S. C. B. Minorca yearling hens, \$1.25 each, in one lot; \$1.50 each in smaller lots; grand layers of largest eggs. Northrup strain. JOHN HELLEMAN, Doylestown, Pa. 12-7

Rose and Single Comb Black Minorcas, Bred from winners at Boston, Rochester, and Auburn. Stock and eggs reasonable. Circular for stamp. M. V. ALLEN, Ovid, N. Y. 12-7

Rose Comb White Minorcas. Stock and Eggs. E. S. CRUMBLING, Marysville, Pa. 12-7

Single Comb Black Minorcas! Bred for Beauty, new Standard weight, and great egg-laying qualities. Have some fine show specimens, especially large cockerels, to offer. Write to-day for illustrated price list on stock and eggs. CHARLES G. PAPE, Fort Wayne, Ind., 1617 N. Cass St. President American Minorca Club. 12-7

Rose Comb Black Minorcas Exclusively. Eggs, \$1.50 for 15; two sittings for \$2.50. I breed for quality and guarantee satisfaction. JOSEPH ROYE, Nassau, N. Y. 12-7

Choice White Minorcas, \$1 Each; Pens, \$4.50. Also one fine cock for exhibition. Seven first prizes. Write for prices. LULU DIBBLE, Guernsey, Va. 12-7

Black Minorcas! Rose Comb and Single Comb; large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock or eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twinning, D. C. 12-7

Rose Comb Black Minorcas. Winners at Frankfurt, Fort Plains, Cambridge, Johnstown, and Herkimer, N. Y.; 22 firsts on 25 entries. Eggs in season. Write for prices. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

Eleven Years Breeder of R. C. B. Minorcas. Eggs, \$1.50 for 13; \$5 for 50. Cockerels for sale. WM. J. MENKE, 713 N. Thirteenth, Quincy, Ill. 12-8

White Minorcas, Buff Orpington Stock and Eggs for sale. Rose Comb White Minorca and White Orpington eggs only. MRS. J. G. OSBORNE, Fabius, N. Y. 12-7

Rose Comb Black Minorcas, Northrup Strain. Eggs from winners at Madison Square, N. Y., Rockland County Fair, N. Y., Hackensack, Paterson, Rutherford and Englewood, N. J. SUMMIT POULTRY YARDS, Dept., B. Hackensack, N. J. 12-7

## RHODE ISLAND REDS

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-7

Rose-combed Rhode Island Reds.—Cockerels at \$2.50 and up. Bred from prize-winning stock. Eggs in season. CHARLES R. APPELGATE, Freehold, N. J., Route No. 5. 12-5

R. C. R. I. Reds. Eggs in Season, \$1 and \$1.50 for 15. H. R. ARMSTRONG, Route No. 1, Box 73, Edgerton, Kans. 12-9

Fine Rose Comb R. I. Reds, Black Minorcas, cockerels, hens and pullets. Blue Andalusian cockerels. Prices right. W. C. H. SLICHTER, R. 5, Chambersburg, Pa. 12-6

consider more favorably the rightful attention to same.

Thursday evening was given over to a social gathering in the way of a banquet tendered all visitors and exhibitors present. The Auburn fanciers covered themselves with glory during the entire week, in their manner of entertainment, the crowning effort of which was the banquet at which both men and women gathered. The Osborne House took pride in their cordial treatment of all, and the banquet was a marked success in their hands. Mr. J. Y. Bucknell and Geo. E. Peer were the guests of honor on this occasion, both having held the post of honor in the association. Toasts were responded to in an unusually mirthful manner, adding greatly to the interest of the occasion.

## AWARDS

### ASIATICS

Brahmas.—LIGHT: Ck 1, hen 2, Fairfield Farm; pul 1, R. Morrell Hersberg, Cochins.—BUFF: Ck 1, hen 1, Fairfield Farm. Langshans.—BLACK: Ck 1, hen 1, pul 1, See & Son; ck 2, ckls 1, 2, pul 2, 3, Wm. T. Reld; hens 2, 3, ck 3, Max Stenzel; hen 4, H. Yarwood WHITE: Hen 2, pul 2, F. Heuer.

### AMERICAN

Plymouth Rocks.—BARRED: Ck 2, hen 3, ckls 1, 5, pens 1, 2, Fairbank & Horey; ckls 1, 5, hens 1, 2, 5, ckls 1, 3, 5, pul 2, 4, pens 4, 5, Pine Top Poultry Farm; ck 4, ck 4, pen 3, S. J. Bundy & Son; ck 3, hen 4, G. M. Benham; pul 3, A. J. Bouck. WHITE: Ck 4, L. Seigfried; ck 3, Mrs. J. H. Scott; ck 1, hen 1, ckls 1, 2, pul 1, 2, C. Dalton; ck 1, P. Llewellyn; ck 3, pul 3, R. Roscher. BUFF: Ck 2, hen 5, ck 2, pul 1, pen 2, V. Brusie; ck 5, pen 5, O. A. Mochler; ck 3, hen 3, ck 4, pen 1, J. Serse; ck 1, J. Hatch; ck 4, hen 4, pul 4, pen 4, H. Tryon; hens 1, 2, ck 3, pul 2, 5, pen 3, S. Westlake; ck 5, pul 3, Schofield Poultry Farm; ck 1, W. N. Fulmer. Wyandottes.—SILVER: Ck 2, 3, hens 1, 2, ck 1, pul 2, 3, G. W. Disinger; ck 1, pul 1, pens 1, 2, S. W. Seigfried. GOLDEN: Ck 1, hen 1, J. R. Steele; hen 2, pul 1, M. C. Foster. WHITE: Ck 1, 2, hens 1, 2, ckls 1, 3, 4, pul 1, 3, pen 1, F. C. Lisk; ck 4, hen 3, pul 4, pen 2, J. Baity; ck 3, pul 2, H. Yarwood; hen 4, W. R. Sperry; ck 2, 5, pens 3, 4, Jones & Townsend; pul 5, A. G. Linenbach; pen 5, E. J. French. BUFF: Ck 1, 2, hens 1, 2, 3, ckls 1, 2, 4, pul 1, 3, 4, pens 1, 2, C. P. DeWitt; ck 4, pul 2, Preston & Hammon; ck 3, hens 4, 5, ckls 3, 5, pul 5, pens 3, 4, J. H. Scott. PARTRIDGE: Ck 5, ck 3, pul 4, J. G. Tracy; ck 3, hen 5, J. R. Steele; ck 1, ckls 1, 4, pul 1, 5, E. S. Eldred; ck 4, hens 1, 2, 3, ck 2, pul 2, pens 1, 2, Lutesinger & Carpenter; pul 3, C. Richie. SILVER-PENCILED: Ck 1, pul 1, A. L. Jenks. COLUMBIAN: Ck 2, 3, 4, 5, hens 2, 3, 4, 5, ckls 1, 2, 5, pul 1, 2, 4, 5, pen 1, Dr. C. J. Andruss; ck 4, pen 2, M. S. Gooding; ck 3, P. Patrick. Rhode Island Reds.—SINGLE-COMBED: Ck 1, hen 2, ckls 2, 4, pul 1, 2, pen 1, DeGraff Poultry Farm; ck 2, ck 1, pul 5, H. Trafford; hen 1, C. N. Hansen; ckls 3, 5, G. W. Tracy; pul 3, 4, H. H. Whitmyer. ROSE-COMBED: Ck 2, pul 1, W. H. Harris; ck 1, hen 1, C. N. Hansen; hens 2, 3, ckls 2, 4, pul 2, 3, 4, Mrs. J. H. Scott; ck 1, pul 5, Morris & Hall; ck 5, A. H. Thurlow; pen 1, DeGraff Poultry Farm.

### MEDITERRANEAN

Leghorns.—SINGLE-COMBED BROWN: Ck 1, R. Hill; ck 3, hen 4, ck 1, pul 5, pen 5, L. E. Witty; ck 2, hen 5, ck 1, pul 5, pens 2, 4, S. T. Limbeck; hens 1, 2, 3, ckls 2, 3, 4, pul 1, 4, pens 1, 3, J. Dwyer. ROSE-COMBED BROWN: Ck 1, F. C. Faber. SINGLE-COMBED WHITE: Ck 2, B. Warren; ck 4, G. S. Coats; ckls 1, 3, hen 4, ckls 3, 5, pen 4, G. A. Barrows; ck 5, pul 3, F. M. Raymond; hen 1, pul 1, pen 1, W. R. Sperry; hen 5, G. L. Single; hens 2, 3, ck 1, pul 2, 4, pen 5, H. J. Wheeler & Son; ckls 2, 4, J. B. Lisk; pul 5, pen 2, Pine Top Poultry Farm. ROSE-COMBED WHITE: Ck 1, hen 3, ck 1, pul 1, L. H. Perry; ck 1, hen 4, ck 4, pul 5, Seim & Bartsch; ck 2, hen 1, 2, ck 1, pul 3, J. H. Post; hens 5, ck 2, pul 4, J. S. Pratt; pul 2, Spalding & Burdett. SINGLE-COMBED BUFF: Ck 1, ck 1, pul 1, C. P. DeWitt; ck 5, hen 5, ck 4, pul 5, pen 3, B. O. Schilling; ck 4, hen 1, ck 1, pul 3, pen 5, L. E. Meribew; ck 3, hen 3, ck 5, pul 1, B. S. Buerlein; ck 2, hen 2, ck 2, pul 4, pen 2, Wm. Ewald; hen 4, M. C. Swartwout; pul 2, A. G. Barlow. ROSE-COMBED BUFF: Hens 1, 2, ck 1, pul 1, 3, S. D. Talbot; ck 3, pul 4, L. S. Eldred; ck 2, pul 2, H. S. Lent. Minorcas.—SINGLE-COMBED BLACK: Ck 1, P. Messenger; ck 1, hen 1, ckls 1, 2, pul 2, 3, V. E. Lincoln. SINGLE-COMBED WHITE: Ck 1, hen 1, Mrs. J. G. Osborne; pul 1, M. S. Chase. Spanish.—WHITE: LACED BLACK: All to Leim & Bartsch. —MOTTLED: Ck 1.

### ENGLISH

Orpingtons.—SINGLE-COMBED BUFF: Ck 1, ck 4, Fairfield Farm; ck 2, 4, hens 3, 4, pul 3, 4, A. E. Pierce; ck 3, hen 1, ckls 1, 2, pul 5, pen 1, C. Bennington; hen 2, R. A. Meagher;

ckls 3, 5, pul 1, 2, Evansward Place. SINGLE-COMBED BLACK: Ck 2, hen 4, ck 3, pul 1, pen 2, W. H. Gifford; ckls 1, 3, 4, hens 2, 3, 5, ckls 4, 5, pul 3, 4, 5, pen 1, C. A. Watling; hen 1, ckls 1, 2, pul 2, J. Coleman. SINGLE-COMBED WHITE: Ck 2, hen 5, pul 1, 2, B. Warren; ck 3, 4, hens 1, 2, pul 4, pens 2, 3, M. S. Gooding; ck 1, hens 3, 4, pul 5, ckls 2, 3, 5, pen 1, 1, Crocker; pul 3, ck 1, W. H. Gifford. ROSE-COMBED WHITE: Pen 1, A. Pierce.

### POLISH

WHITE-CRESTED BLACK: Ck 3, hens 4, 5, ck 4, pul 4, 5, G. Connors; ckls 1, 2, hens 1, 2, ckls 1, 2, 3, pul 1, 2, 3, pens 1, 2, C. Seely.

### DUTCH

Hamburgs.—SILVER-SPANGLED: Cks 2, 4, 5, hens 1, 2, ckls 1, 2, pul 3, C. Furness; hen 3, ck 3, pul 1, pen 1, G. Preston.

### GAMES AND GAME BANTAMS

Games.—PIT: Ck 1, ck 1, Merritt Bros. Game Bantams.—BLACK-BREASTED RED: Ck 1, pul 1, F. W. Heuer.

### BANTAMS

Light Brahmas.—All to Mrs. J. H. Scott. BUFF COCHIN: All to Miss M. Halloch. WHITE COCHIN: All to Miss M. Halloch. BLACK COCHIN: All to Miss M. Halloch. BLACK-TAILED JAPANESE: Ck 1, hen 1, G. Connors.

### MISCELLANEOUS

Fluffs.—WHITE: All to C. H. Gallagher. BLACK: All to C. H. Gallagher. FAVE-ROLLES.—SALMON: All to Dr. C. H. Phelps. LAKENVELDERS: All to Dr. C. H. Phelps. BLACK PLYMOUTH ROCKS: All to J. W. Creighton. SILVER-PENCILED ROCKS: All to Rock Hill Poultry Farm.

### PHEASANTS

GOLDENS.—All to Mrs. J. R. Scott. TURKEYS BRONZE.—Ck 2, ck 2, hen 2, A. G. Barlow; ck 1, ck 1, hen 1, pul 1, W. A. J. Kunev. WHITE HOLLAND: Ck 2, hen 1, Max Stenzel; ck 1, hen 2, ck 1, pul 1, A. G. Barlow. BOURBON RED: All to Mrs. M. M. Brown.

### DUCKS

MAMMOTH PEKIN.—All to S. W. Seigfried. ROUSE: Ck 1, hen 1, ck 1, pul 1, H. Tryon; ck 2, 3, hens 2, 3, ckls 2, 3, pul 2, 3, F. D. Baerman. INDIAN RUNNER: All to Mrs. A. Brooks.

### GEESE

TOULOUSE.—All to W. A. J. Kunev. MAMMOTH BUFF: All to J. H. Letherman.

## Boston



THE Boston Show of 1907 was not a record-breaker as to numbers. Mr. A. C. Hawkins expressed it well when he said: "The cream from all shows up to date has gathered here to contend with the best from New England. There does not seem to be a waste entry throughout all the classes. Quality seems to have ruled the placing of numbers in the pens." Yet, with all this, both the halls at Boston were filled to their limit, as were the galleries and the stage. The main floor space toward the entrance was devoted to the most attractive display of poultry appliances ever gathered under one roof.

It may be interesting to our readers to have us tell them what was displayed there. First of all, we believe that each and every incubator and brooder manufactured and sold in New England had a display at Boston. Every kind of a poultry building had its place in the display. Every known kind of poultry appliance, poultry remedy, trap nest, nest box, bone cutter and wire fence was represented.

Good-natured James C. Coffey was there with his bone cutters, displaying their ability to do good work, and selling them to the general public.

It is to be regretted that a complete list, descriptive of all these exhibits, was not printed in the Boston Show Catalogue, as it would prove to be most interesting reading to all those fortunate enough to be possessed of one.

We mentioned all the members of these displays in our New York report. It is only necessary to say they had more extended displays at Boston than at New York.



Surrounding this most wonderful collection of poultrymen's wares was a border of candy stands, peanut stands, soda fountains, drug and perfumery stands, and lunch counters. In front of all these, nearest the entrance, and forming a beautiful background on either side of the main passageway, were the poultry paper booths.

The general display of poultry was quite the same as at New York. Some of the classes were far superior, others not the equal of those shown at New York. None were more striking in excellence than the classes in Light Brahmas. There were ninety-eight Light Brahmas shown in the open classes.

Mr. Rollins, of Westboro, Mass., had a wonderful display. Mr. Rollins has taken up the breeding of White Wyandottes; in fact, has grown them a number of years. Some of the winners throughout the country have come from his yards. This year he will offer for sale eggs from his giant strain of White Wyandottes as well as from his Brahmas.

Mr. J. L. Kerr, of Wilton, N. H., came to the Boston Show with a surprisingly fine lot of Light Brahmas. Of all the Brahmas shown, none attracted equal attention with the Light Brahma hen shown by Mr. Kerr. She won first in the open classes, shape special, color special, and the challenge cup. Besides these, she won several prizes offered as specials to the club. Mr. Kerr stated that he was coming back next year to win the Governor's cup with his Brahmas. Said he: "We have worked hard at home on this proposition for ten years, think we have produced the greatest Brahmas ever shown, and shall come again next year to win everything in sight."

Undoubtedly Mr. Kerr is to be congratulated on his success, and old New Hampshire once again steps to a front position in producing Light Brahmas. We shall have more to say at another time of the quality of Mr. Kerr's Brahmas.

The Dark Brahmas were the best shown for a year or two. In Cochins, we imagine that all who were present were carried away with the beauty and quality of the large line of those presented for consideration. The cock, hen, cockerel, and pullet that won the blue ribbon in these classes and the challenge cup winners could not be excelled. Those who thought that the classes might have been depleted at New York for lack of specimens to show had this idea driven from the mind at Boston where the Buffs seemed to reign supreme. The display of Partridge Cochins did not show the preparation and finish that did the New York exhibit. Black Cochins were better than at New York; no White Cochins shown. We are at a loss to know why the exhibitors of Partridge and White Cochins at New York do not go to Boston with the best to cross swords with the New England breeders.

Mr. W. H. Wiebke came all the way from Fort Wayne, Ind., to the Boston Show to exhibit his Brown Leghorns. He was successful there, as will be shown in the list of the winnings; the quality of his stock being surprisingly good. Mr. Weimer, from Exmoor Farm, went to Boston with four Single-combed Brown Leghorn pullets. The awards will show how successful these two were who traveled so far to New England, to contend with the great breeders of this variety in that section. If the breeders of the best specimens in all breeds and varieties would come in stronger numbers to Bos-

ton, they might discover that all of good quality did not grow in limited space.

To describe all the classes throughout would be a repetition of the gathering at New York, which does not seem necessary at this time, so we shall speak of them in a general manner. Mr. Scudder judged the Barred Plymouth Rocks in Boston. He stated to the writer that he regretted very much to notice the creeping in of the metallic black to a ruinous extent in the surface color of the male birds, and that he was surprised to see how much of it was present in the females of the year. Another much-to-be-despised feature is the greenish-black shading upon so many of the shanks of the females. Mr. Scudder stated that if so much of this could creep in within two years, he thought the beautiful yellow shanks might be obliterated ere another five years had passed.

We questioned Mr. Hawkins very closely as to this, and he stated that the over-anxious determination of breeders to have too much barring at the skin was destroying the beautiful clear surface color of ten years ago, reducing size, injuring shape, and giving the undesirable dark shanks upon females. We heartily join with Mr. Hawkins in this, and wish to congratulate Mr. Scudder for having selected the clean, clear surface color so far as possible upon the specimens to which he gave awards. First cockerel and first pullet are beautiful examples of this. In White Plymouth Rocks, competition was unusually keen. Friend Hawkins showed in these classes one of the grandest cock birds exhibited in years, winning the blue ribbons and specials.

Without doubt the entire exhibit of White Plymouth Rocks was the equal of any shown in years. In Buff Plymouth Rocks the awards were well distributed. Mr. Fox, of Torresdale, Pa., did about as well as at New York. Other and new exhibitors got their fair share of the winnings. The exhibitors themselves seemed to think that Boston had a little the best of the Buff Rock exhibit. In Partridge Plymouth Rocks, Silver-laced Wyandottes, Golden-laced Wyandottes, Silver-penciled Wyandottes, and Partridge Wyandottes, there was a fine lot, about the same as shown at New York. The White Wyandotte classes were remarkably large, and very well judged indeed by Mr. Halllock of St. Louis. If called upon to give an opinion, we should say that the classes at Boston were quite as well judged as were the same classes at New York. Both at New York and Boston they were better handled than last year. White Wyandottes seem to be better this year than last; shape and color both improved. Our friend Nixon of Washington, N. J., won two prizes on his White Wyandotte hens.

Columbian Wyandottes were the banner classes among the Wyandottes at Boston, not entirely on account of numbers, but through the excitement created over the superior quality of the latest admitted to the Standard. Richardson, of Rhode Island, Hawkins, Mandley and Williams, from Massachusetts, contended with others not so well known as exhibitors. The prizes were well divided throughout. Mr. Hawkins again won first cock, first cockerel, first pullet and first pen. A number of birds that might have crept into the open classes were shown in the novice classes. In Silver-laced Wyandottes, Mr. Chase, of Andover, Mass., showed a beautiful lot. Mr. Chase has been a constant exhibitor of this variety at Boston for many years. Each season he has better and better specimens to show. Nothing

**Rose Comb Rhode Island Reds Exclusively.** Eggs from birds scoring from 91 to 94, by Judge McClane, \$2 per 15; \$5 per 45; \$10 per 100. Some grand cockerels with score cards at \$5 each. HENRY T. SHANNON, Cary Station, Ill. 12-6

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Buff Cochins Eggs, \$1.25 per Setting of 13 Eggs. Pure Breed. RUTH PECK, Harrington, Del. 12-7

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Exhibition Black-breasted Red Games; High Station; fine color. A few birds for sale. Eggs, \$3 per 15. H. T. HERMAN, Carlisle, Pa. 12-7

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One Trio, Cock, and 2 Hens—Cornish Indian Games, \$15; another, \$10; same in young stock, \$5. N. B. Warner, Hamilton, Va. 12-5

One Trio, Cock, and 2 Hens—Black Sumatras, \$15; another, \$10; same in young stock, \$5. N. B. WARNER, Hamilton, Va. 12-5

Cornish Indians! Thoroughbred Exhibition Stock. Have remarkable laying strain, bred from my best winter layers. 15 eggs \$1. SAMUEL A. WHITE, Timberville, Va. 12-7

Heavy Weight, English Black-breasted Red Pit Games; Tom O'Neil, Kentucky Dominiques, Irish Greys. Eggs, \$2 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-7

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Black Langshans, and White Rocks. Choice Eggs from rare stock, \$2 per setting, or setting of each for \$3. SUCCESS POULTRY YARDS, Box 64, Berryville, Va. 12-7

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White Crested Black Polish Single Birds. Pairs and trios. Silver cup winners at World's Fair, Boston and New York City. Write for wants. CHAS. L. SEELY, Pres. Am. Polish Club, Afton, N. Y. 12-5

Six Trios Golden Spangled Polish at Half Their value must be sold, the most beautiful fowl in existence. Write T. F. ADAMS, Binghamton, N. Y. 12-6

## SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

White Face Black Spanish a Specialty for 47 years. Circular and photos free. However, a stamp thankfully received. JOHN BENNETT, Sunman, Ripley Co., Ind. 12-7

in the classes excelled his Silver-laced Wyandotte pullet that won second place. She had the shape, color and marking that belong to the true Silver Wyandotte.

Of Rhode Island Reds there was about the same gathering as at New York, with the exception that Mr. Tompkins did not show his string, having been selected to judge the classes.

Dorkings at Boston were an exhibit to themselves. Mr. Hales, Messrs. Goodell and Warrington, of Canada, showed a lot of beautiful Whites. In Silver Grays and Colored Dorkings, Mr. Inches, of North Grafton, Mass., entered the grandest lot ever shown in this country, even at Boston. In size, shape and color they were all most desirable. This exhibitor is to be congratulated on his ability to produce in America fully the equal of those imported. We remarked at Boston that if the producers of Dorkings would give equal attention and determination to pushing Dorkings, ere long they would be contending on even terms for the position now occupied by the Orpingtons. Mr. Henry Hales and Mr. Westfall were both present with their representations in the Dorking classes.

Orpingtons were about the same as the display in New York as to varieties, but the numbers were not the equal of the New York exhibit. However, the enthusiasm and quality were about the same.

The Mediterranean classes were strong at Boston. As mentioned before, Mr. Wiebke, of Fort Wayne, Ind., was fortunate in the winnings, taking third place on cock, first on cockerel, with meritorious specimens. Exmoor Farm was there, winning first, second and fourth on pullets. Only having four entries in the classes, this was thought to be remarkably good success. Mrs. Inches was a most successful exhibitor at Boston, the Rose-combed Brown Leghorn classes winning really the lion's share of the awards with some real Rose-combed Brown Leghorns in type, color, and general make up. In Single-combed White Leghorns, a number of birds of most excellent quality were shown. Buff Leghorns, Black and White Minorcas in both single and rose-combed Blue Andalusians and Black Spanish specimens of superb quality were shown.

Boston undoubtedly had the finest exhibit of Polish, Hamburgs, Spanish, Houdans, Red Caps and other French breeds. Indian Games were about the same as those shown at New York. The Games made large and well filled classes. Among the novelties in the Game classes were Black Sumatras, Azeel, Malay and Sultan fowls.

The display of turkeys and water-fowl at Boston was about the same as at New York, with the exception that the display of Bronze turkeys outclassed the New York exhibit, as did the display of geese. Among the Indian Runner ducks shown were some wonderful specimens, grown and exhibited by White Birch Poultry Farm, Bridgewater, Mass. These people have given much attention to the true Indian Runner qualities, of proper color, marking, type and egg-production. Their ducks are of the Australian type, inasmuch as they are bred for egg production, and are able to make good along these lines.

The bantams were an exceptionally fine lot. Our old friend, McGoone, formerly of New Jersey, now of Massachusetts, exhibited a wonderful lot of Black-breasted Red cockerels and pullets. No wonder

they captured all the ribbons. They were so excellent in quality that even Judge Alec Pierce lingered about them for close inspection. A year ago at Boston we made the acquaintance of Mr. Washburn, of Worcester. We talked to him of the beauty of Game Bantams. After a little more than twelve months' experience in these he came to Boston, and carried away the red and the blue upon a pair of beautiful Red Pyle cockerels. Cochins Bantams this year have been almost a failure in comparison with former years. At Boston there were so few good Buff Cochins as to cause one to express regret. There needs to be a stirring up of the bantam fancy, or the excellence of many varieties will become a thing of the past. There were a few remarkably good Blacks, one or two excellent Buff females, and a Brahma Bantam or two of quality. Outside of these the Brahma exhibit could not be called the equal of other years. The Booted Bantams shown were remarkably good.

In the exhibition yards the most remarkable quality was in the first pen, owned by Rollins, of Westboro, Mass. First and second White Plymouth Rock and the pens of Buff Wyandottes were very good. Mr. Peyser, of Shushan, had an excellent lot, both in his pen and the open classes. Mr. Richardson, of Providence, R. I., had a grand display of Columbians, both in the open classes and in the exhibition pen. Mr. Duston was in attendance, viewing the quality of the classes and feeling remarkably well over his winnings at New York.

In the Pigeon classes, there were many, many hundreds shown, as usual, of all kinds of birds. Most attractive to us were the displays of squab breeders labeled as Hungarian Hen Pigeons. Checker, Dun and Blue Hen Pigeons, Giant Hen Pigeons, Giant Runts, cross-breeds from these and Mondaines and a beautiful lot of Mondaines of several colors, all making an attractive object lesson to every one anxious to learn of the many varieties and kinds used straight and as cross-breeds for the production of market squabs. We saw six young squabs bred, so claimed, from pure Homers, claimed to have been killed at four weeks and a half old, with the feathers plucked therefrom; they tipped the scales within 3½ ounces of six pounds.

All the great manufacturers of incubators were present at Boston. Wednesday was reported throughout the line as having been the most successful sales day ever experienced in Boston by these people. The claim was general. It is not necessary to re-state the list of those present. The write-up of the New York show mentions them all. During the week Mr. Nix delivered a most attractive lecture on the art and science of artificial incubation. This lecture was attended by the professors from three agricultural colleges, and the poultry representative of the United States Government, all of whom spoke in most complimentary terms of the lecture. Each afternoon and evening a lecture on some subject pertaining to the utility branch of poultry culture was given. Poultry classes from the New England Agricultural Colleges were present to attend these lectures. Mr. Graham, from Connecticut, Messrs. Bolt and Curtis, from Rhode Island, and some from Massachusetts whose names we did not obtain, were on hand.

Cold, snow and rain continued to bar the way for a large attendance throughout the greater part of the week. The press



representative of the Boston Show did the best work done for many years through the daily press, as did Mr. Chamberlain, at Madison Square Garden, New York. Truly these two gentlemen have become past masters in the art of presenting poultry exhibits to the attention of the general public.

Tuesday evening at Boston is known as Banquet Night for all exhibitors and visitors to the Boston Show. This time the entertainment excelled anything of former years, partaking as it did of the character of New England entertainments. Those present enjoyed first the elegant collation prepared for them, then lounged about in the large elegant dining-hall, enjoying the pleasant conversation, fragrant Havananas, and listening to songs sung by well-trained soprano voices intermingled with piano recitations, beautifully executed by Mr. Martin, of Canada. At the close of the entertainment, Secretary Roberts, of the Boston Show, gentlemen of the press, visitors and the toastmaster all made short remarks congratulatory of the Boston Show.

## AWARDS

### ASIATICS

**Brahmas.**—LIGHT: Cks 5, 6, hen 4. Riverdale Farm; cks 1, 3, hens 3, 5, cks 1, 2, 5, 6, pul 1, 2, 4, 5, pen 1, H. N. Rollins; ck 2, hens 2, 6, ckl 3, 4, pul 3, J. W. Shaw; ck 4, Philander Williams; ck 6, pul 6, Balch N. Brown; hen 1, J. L. Kerr; pen 2, C. W. Bixbey; pen 1, G. V. Fletcher; pen 3, Dr. N. V. Hutchinson; DARK: Ck 1, hens 1, 2, 3, 4, ckl 1, pul 1, 2, 3, 4, A. H. Leach. **Cochins.**—BUFF: Cks 1, 2, 3, 4, hens 1, 3, ckl 1, 2, 3, 4, pul 1, 2, 3, 4, pen 1, Oakland Farm; hens 6, Ckl 5, pul 6, H. Porter; hen 5, C. C. McLean; ck 6, pul 5, A. L. Cutting. **PARTRIDGE:** Cks 1, 2, 3, hens 1, 2, 4, 5, cks 3, 4, 5, 6, pul 2, 3, 4, 5, W. C. Baylies; hen 3, ckl 1, pul 1, R. J. Davey; ckl 2, pul 6, F. E. Siloway. **BLACK:** All to W. S. Williams. **Langshans.**—BLACK: Ck 2, Ckl 3, H. W. Herrick; ck 1, hen 2, ckl 2, pul 1, H. H. Bumford; hen 1, ckl 1, pul 2, C. H. Scales. **WHITE:** Hen 1, W. S. Dunbar; pul 1, F. L. Weden.

### AMERICAN

**Plymouth Rocks.**—BARRED: Ck 2, C. A. Ballou; ck 1, pen 6, C. H. Shalor; ck 5, hens 1, 5, ckl 1, pul 2, 3, pen 3, C. H. Lathan; ck 6, cks 2, 3, pul 6, H. Nicholson; ck 3, G. E. Mann; ck 4, hens 2, 6, ckl 4, pul 1, 4, pen 2, Whitcomb Farm Co.; hen 3, J. H. Woodward; hen 4, N. Cosh; ckl 5, Nolan Bros.; ckl 6, pen 5, Grove Hill Poultry Yards; pul 5, W. J. Wallace; hen 1, G. A. Kellog; pen 4, F. W. Williams. **WHITE:** Ck 3, hens 2, 3, cks 1, 3, pul 4, 5, pens 3, 4, J. A. Frye; ck 4, W. E. Bright; ck 1, hen 5, A. C. Hawkins; ck 2, hens 1, 6, cks 2, 5, pul 1, 2, 3, 6, pen 2, L. C. Boufoey; ck 6, H. D. Hopkins; ck 5, hens 4, 5, cks 1, 4, 5, 6, pul 6, pen 1, M. L. Chapman; hen 6, J. J. Smith; ckl 6, Mile Brook Poultry Farm; ckl 6, pul 5, 6, C. W. Pratt; ckl 3, D. W. Green; pul 5, I. F. Blanchard; pen 5, C. E. Hodgkins. **BUFF:** Ck 5, pen 4, M. Fall, Jr.; ck 6, D. B. Eddy; ck 2, ckl 5, H. Shaw & Son; ckl 4, hens 1, 3, pul 2, 5, pens 3, J. Fox; ck 3, hens 4, 5, ckl 1, A. A. Ashline; ck 1, pul 3, Edgewood Farm; hen 2, ckl 6, pen 1, J. P. Keating; ckl 4, G. C. Perkins; ck 3, E. A. Willis; ckl 2, pul 1, B. N. Duclos; pul 4, 6, Drs. C. W. & D. B. Coolidge; pen 5, J. H. Webb; pen 2, P. W. Noyes; pen 6, Lunt & Curtis. **PARTRIDGE:** Ck 1, hen 4, pul 1, C. P. Averill; hen 5, ckl 2, pul 3, J. Windle; hen 2, ckl 3, R. G. Buffington; hens 1, 3, 6, ckl 1, G. W. Pearce; pul 2, F. H. Gilbert. **SILVER-PENCILED:** All to F. H. Gilbert. **WYANDOTTES.**—SILVER: Ck 2, hens 3, 4, 5, cks 1, 4, pul 4, 5, Wood & Freeman; ck 1, hen 2, ckl 1, pul 1, 6, J. C. Jodrey; ck 3, P. E. Morgan; cks 4, 5, ckl 5, R. G. Williams; ck 6, hen 3, ckl 3, pul 2, H. F. Chase; hen 1, Oakland Farm; ckl 6, G. H. Sheldon; pul 3, E. H. Morris; pen 1, C. W. Garland. **GOLDEN:** Ck 1, J. M. McKenzie; cks 4, 5, cks 1, 2, pul 3, O. P. Chase; ck 3, hens 1, 3, 5, 6, cks 2, 4, pul 1, 2, 5, Wood & Freeman; ck 2, ckl 5, pul 4, J. J. Haller; hens 2, 4, L. H. Brown; pul 6, E. H. Morris. **WHITE:** Ck 6, hen 6, ckl 6, Maplelawn Farm; ck 5, pul 6, pen 6, H. Havemeyer; ck 6, ckl 4, pen 3, J. F. Hollis; ck 4, Oceanhide Poultry Yards; ck 6, C. A. Wheeler; ck 1, ckl 6, pul 2, J. S. Martin; cks 2, 3, hens 6, ckl 2, pul 1, 5, P. H. Dillingham; hen 1, pen 4, R. Robbins; hen 2, 6, E. E. Sing; hens 4, 6, C. Nixon; hen 3, pen 6, Elm Poultry Yards; ckl 3, pul 4, C. J. Titus; ckl 5, J. W. Andrews; ckl 6, E. S. Harvey; pul 3, F. C. Pulsifer & Co.; pul 6, W. W. Tirrell; pen 2, Fairfield Farm; pen 6, E. L. Porter; pen 5, J. H. Faulk. **BLACK:** All to N. Fraleigh. **BUFF:** Ck 4, A. Silcox; ck 1, hen 1, pul 1, G. M. Bell; ck 6, hens 2, 3, 5, ckl 1, pul 6, pen 1, J. E. Burt; ck 2, hen 4, ckl 2, pul 4, pens 1, 2, Dr. N. W. Sanborn; ck 3, hen 6, cks 5, 6, pul 2, 3, 5, pen 3, L. C. Piser; ckl 4, A. S. Hathaway; ckl 3, R. W. Coolidge & Son. **PARTRIDGE:** Ck 5,

pul 3, J. C. Macomber; cks 2, 4, hens 1, 2, 3, cks 1, 3, pul 1, pen 1, J. B. Hadaway; cks 3, 6, hens 6, cks 4, 5, pul 2, pen 2, M. H. Coffin; ck 1, hen 4, pul 4, 5, 6, C. E. George; hen 5, W. W. Jackman; ckl 2, F. C. Burbank; ckl 6, H. Porter; pen 1, G. V. Fletcher. **SILVER-PENCILED:** Ck 5, hens 1, 3, 4, 5, cks 1, 4, pul 1, 2, 3, 5, Rogers & Packard; ck 1, hen 6, C. H. Pape; ck 3, E. F. Benson; ck 2, hen 2, cks 2, 3, E. J. Robinson; ck 6, ckl 6, G. F. Eastman; ck 4, Mrs. S. G. Joh; ckl 5, J. E. Morse; pul 4, Hubbard & Atwood; pul 6, J. F. Howland. **COLUMBIAN:** Ck 6, hens 1, 2, 5, pul 3, W. B. Richardson; ck 1, cks 1, 2, pul 1, pen 1, A. C. Hawkins; ck 5, H. J. Manley; cks 2, 3, hens 3, 4, cks 5, 6, Philander Williams; ck 4, hen 6, Broton John Evans; ckl 3, pul 2, 4, 6, M. A. Braton; ckl 4, pul 5, E. J. Robinson. **SILVER-LACED:** Pen 1, The "Poplars" Fowls. **Javas.**—BLACK: Ck 1, hen 1, Richard Roke. A. O. V.: Ck 1, hen 1, R. Oak. **AMERICAN.**—DOMINGO: FEMALES, ANY AGE, W. N. Shalor. Rhode Island Reds.—SINGLE-COMBED: Ck 5, hen 5, cks 2, 4, White Birch Poultry Farm; ck 6, hens 2, 3, 4, pul 5, 6, J. A. Raddin; ck 4, ckl 6, F. Tapan; ck 2, pul 2, F. D. Read; ck 3, hen 1, ckl 5, House Rock Poultry Farm; ck 1, pul 1, V. C. Morton; hen 6, pul 3, A. S. Bailey; ckl 1, pul 4, G. W. Tracey; ckl 3, A. N. Dilley. **ROSE-COMBED:** Ck 2, hen 5, L. W. Knowles; ck 1, hens 1, 2, 3, cks 1, 2, pul 1, 4, 5, 6, pen 1, R. C. Tuttle; ck 4, Morays Farm; ck 5, ckl 4, pen 5, G. P. & H. L. Coffin; ck 3, pen 1, D. P. Shore; ck 5, F. Cameron; hen 4, pul 6, L. Anderson; hen 6, cks 5, 6, pen 4, House Rock Poultry Farm; ck 3, pen 3, F. C. Hollis; pul 2, pen 2, Red Feather Farm; pen 2, White Birch Poultry Farm; pen 4, W. P. Weston; pen 1, A. N. Dilley; pen 2, E. T. DeGraff; pen 3, F. H. Clark. **Buckeyes.**—Pen 1, F. B. Harris.

### ENGLISH

**Dorkings.**—WHITE: Ck 3, hen 1, pul 2, J. H. Warrington; ck 4, ckl 1, pul 1, H. Hales; cks 1, 2, Miss C. Goodell. **SILVER GRAY:** Ck 6, hen 6, ckl 6, pul 2, 6, New England Poultry Farm; cks 1, 3, 6, hens 1, 6, cks 2, 5, pul 4, 5, 6, G. B. Inches; ck 2, R. Officer; ck 4, pul 1, H. Hales; cks 5, 6, hens 2, 4, 5, ckl 1, pul 3, W. Westfall; ck 6, hen 3, M. R. Jacobs; cks 3, 4, pul 6, J. S. Cope. **COLORED:** Cks 1, 2, 3, hens 1, 2, 3, 4, 5, 6, cks 1, 2, 3, pul 1, 2, 3, 4, 5, 6, G. B. Inches; ck 6, hen 6, ckl 6, pul 6, H. Hales; ck 6, J. H. Warrington; ck 6, pul 6, M. R. Jacobs. **Orpingtons.**—SINGLE-COMBED BUFF: Ck 2, ckl 1, pul 2, 5, pen 1, Sunswick Poultry Farm; ck 4, hen 5, G. T. Rice; ck 1, hen 1, 2, pul 1, H. A. Kirby; ck 3, ckl 2, pul 3, F. S. Almy; hen 3, A. Wait; hen 4, pen 2, G. E. Bessom; ck 4, pul 4, M. J. Dimond; ck 3, W. J. Stokes; ck 5, A. H. Bunstead. **SINGLE-COMBED BLACK:** Ck 1, hen 1, 2, 3, cks 1, 2, pul 1, 2, 3, pen 1, Sunswick Poultry Farm; hen 4, ckl 3, C. E. Shafer; hen 5, A. Waite; hen 4, H. B. Prescott. **ROSE-COMBED BLACK:** All to G. T. Rice. **SINGLE-COMBED WHITE:** Ck 1, hen 1, 4, ckl 2, pul 3, 5, pen 1, Sunswick Poultry Farm; ck 2, pul 2, 3, 5, ckl 1, pul 1, 2, 4, H. Kirby; pul 6, H. B. Prescott. A. O. V.: All to J. T. Morse. **RED CAPS:** All to E. Wells, Jr.

### MEDITERRANEAN

**Leghorns.**—SINGLE-COMBED BROWN: Ck 3, ckl 1, W. H. Wiehe; cks 1, 2, cks 2, 3, 4, H. W. Weeks; hens 2, 3, 4, C. S. Cook; hen 5, pul 5, W. A. Gurney; hen 1, pul 3, B. W. Hubbard; ckl 5, A. O. Preston; pul 1, 2, 4, Exmoor Farm. **ROSE-COMBED BROWN:** Cks 1, 2, 3, hens 2, 3, 5, cks 1, 3, 4, pul 3, 5, Mrs. G. B. Inches; ck 5, hen 4, C. H. Walter; ck 4, pul 4, pen 1, Maple Grove Farm; hen 1, cks 2, 5, pul 1, F. C. Tabor; pul 2, M. A. Ramsdell. **SINGLE-COMBED WHITE:** Ck 5, hens 4, 5, cks 3, 5, pul 4, F. McGrann; cks 3, 4, hens 1, 2, cks 2, 4, pul 1, 3, pens 2, 3, D. W. Young; ck 1, ckl 1, pul 2, pen 1, Elm Poultry Farm; ck 1, hen 3, A. H. Bradshaw; pul 5, W. J. Blake. **SINGLE-COMBED BUFF:** Ck 1, hen 1, ckl 3, pul 1, 2, H. H. Clark; ck 2, ckl 1, E. Jeffries; hen 3, B. W. Hubbard; hen 2, ckl 2, C. H. Wilcox; pul 3, T. T. Davey. **SINGLE-COMBED BLACK:** All to G. H. Selleck. **Minorcas.**—BLACK: Ck 4, hen 2, ckl 2, ckl 3, pul 1, pen 6, G. H. Dexter; ck 3, hen 1, ckl 4, pul 2, 5, pen 1, F. McGrann; ck 1, pen 5, C. A. Holmes; cks 2, 6, hens 3, 5, cks 2, 6, J. H. Minshall; ck 1, hen 4, ckl 1, pul 3, pen 2, J. P. Hilldorfer; hen 6, G. F. Leavitt; ckl 5, G. Hubbard; pul 6, R. Story; pen 3, C. A. Thompson; pen 4, Ellis & Stevens. **WHITE:** Pul 1, L. S. Swan. **ROSE-COMBED BLACK:** Cks 1, 2, 3, hens 1, 2, 3, ckl 1, pul 5, pen 1, G. H. Northrup; cks 2, 3, 4, pul 2, 3, 4, C. H. Lee; ckl 6, pul 1, C. C. Loring; cks 5, 6, pul 6, G. B. Inches. **Andalusians.**—BLUE: Ck 2, hens 3, 4, ckl 1, pul 2, J. T. Morse; ck 1, hen 2, cks 2, 4, pul 1, 4, J. E. Bliss; cks 3, 4, hens 1, 5, cks 5, pul 4, 5, J. Gunning; ck 5, Mrs. S. G. Job; ckl 3, E. H. Morris. **Spanish.**—BLACK: Ck 1, hen 1, 2, 3, 4, ckl 1, pul 1, 2, 3, J. H. Warrington; ck 2, hen 5, ckl 4, Mrs. S. G. Job; cks 2, 3, pul 4, 5, G. B. Spring.

### POLISH

**WHITE CRESTED BLACK:** Ck 2, cks 1, 2, 2, pul 2, Deepdale Poultry Farm; ck 1, hen 1, ckl 4, pul 1, W. McNeil; hen 2, ckl 5, Mrs. S. G. Joh. **GOLDEN:** All to W. McNeil. **SILVER:** All to W. McNeil. **WHITE:** All to W. McNeil. **BEARDED GOLDEN:** Ck 2, H. L. Clapp; ck 1, hen 1, ckl 1, pul 1, W. McNeil. **BEARDED WHITE:** All to W. McNeil. **BUFF-LACED:** All to W. McNeil.

### DUTCH

**Hamburgs.**—GOLDEN SPANGLED: Ck 3, hen 4, cks 3, 5, pul 3, 6, R. W. Emmons; cks 1, 2, hens 1, 2, cks 1, 4, pul 1, 2, 6, J. Lowell; ck 4, hen 3, ckl 6, pul 4, R. Oke; ckl 2, S. H. Fessenden. **SILVER-SPANGLED:** Ck 4, E. P. Saltonstall; ck 2, hens 5, 6, cks 2, 4, 6, pul 2, 5, R. Lowell; ck 1, hens 2, 3, 4, ckl 1, pul

### HOUDANS

**Houdans!** High-class Exhibition and Breeding stock. Eggs from birds scoring 95 and better bred from 281-egg-record hens, \$4 per 15. DR. G. W. TAYLOR, Orleans, Ind. 12-7

**Have Been Breeding Houdans for 12 Years,** and my birds are better than ever this year. If interested in this variety, you should get some of my birds. A few choice cockerels at \$3. Eggs \$2.50 per 15. Satisfaction guaranteed. LOUIS FALLER, Newton, Ill. 12-7

### RED CAPS

**Red Caps!** Eggs from English Red Caps during season. First prize winners Johnstown and Gloversville shows. JESSE LANING, Johnstown, N. Y. 12-7

### BUCKEYES

**Want a Treat of Eggs and Meat? Try Little Buckeyes.** \$3, \$5, and \$10 per setting of 13 eggs. Orders booked in rotation. LITTLE DOVER, Sabot, Va. 12-7

### DORKINGS

**Silver Gray Dorkings.** Eggs from Imported and prize winning stock for sale, \$2.50 for 15. A few birds for sale. BONNIEBROOK FARM, Stillwater, N. J. 12-7

**Dorkings—Silver Gray, White and Dark.** After 36 years breeding, importing, selecting, have attained highest perfection of this famous breed. Prizes and cups from our principal shows. Few choice birds for sale. Eggs: \$3 one setting; two, \$5. Fine Gray Japanese Bantams. No eggs for sale. HENRY HALES, Ridgewood, N. J. 12-7

### HAMBURGS

**Dopp's Silver Spangled Hamburgs** Are Prize Winners; great layers; ideal shape; very beautiful. cocks and cockerels for sale. Eggs \$1 setting. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

**S. S. Hamburgs and Silver Wyandottes** as Good as they grow. Send for photo and price of wants. 15 eggs \$2.50. D. BENNETT, Galena, Ohio. 12-7

### LITTLE CHICKS

**Baby Chicks, Just Hatched, Shipped Any Distance.** Barred Rocks, White Leghorns, \$15 per 100. Circular free. Also poultry supplies. CORNELL HATCHERY, Frenchtown, R. I. 12-7

### TURKEYS

**200 Bronze Turkeys.** Bred from 47 Pound Toms and 25 to 30-pound hens. Winners the world over. Stamp for reply. GEO. WOLF, Seneca Falls, N. Y. 12-5

**Fine, Large Bronze Turkeys, Lined by a 50-lb. Tom.** Up to the standard markings and weight. Prices reasonable, quality considered. Both sexes. ROME McDOWELL, Greentown, Ind. 12-6

**Mammoth Bronze Turkey Eggs** Guaranteed to Hatch or money refunded; also, White Wyandotte and Single Comb White Leghorn eggs by the dozen or hundred. C. ADELL KAYNER & CO., Lockport, N. Y. 12-5

**Bronze Turkeys; 48-lb. Tom, 22 to 28-lb. Hens; 12** firsts at New York in two years; breeders for sale. GEO. W. SALISBURY, Phelps, N. Y. 12-7

**Genuine Wild Turkeys; Flock Headed by Largest** pure wild tom in the world; not subject to blackheads. Eggs in season. ROBERT LEE BLANTON, Richmond, Va. 12-5

**Bird's Giant Bronze Led** at Madison Square Garden's greatest turkey show, January, 1907. Competing with six of America's leading breeders, they took nine premiums out of twenty, winning 2d, 3d, and 4th cocks; 2d and 5th cockerels; 4th hen; 1st, 2nd, and 4th pullets. Fine exhibition and breeding stock for sale. Females, \$5 up; males, \$8 up. BIRD BROS., Box E, Meyersdale, Pa. 12-5

**25 Young Mammoth Bronze Toms, weighing 23 to 28 pounds;** bred from my first prize tom at Hagerstown. No more hens. F. G. ZIMMERMAN, Limekiln, Md. 12-6

**Anxious to Raise Turkeys? Why Not Try Wild** Stock? Eggs from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

**Turkeys, Early May Hatch.** Giant M. Bronze turkeys. Breeders wishing extra good birds from 48-lb. tom for fall shows write me at once. Enclose stamp. Toulouse Geese \$2 and \$3 apiece; toms, \$5; three hens, \$10. MRS. A. J. SINDLINGER, Route 3, Bronson, Mich. 12-7

**Golden Bronze Turkeys** from Winners at Indianapolis, Chicago, and Virginia State Fair. Young toms for sale. Eggs in season. MRS. S. F. BADGETT, Farmville, Va. 12-5

### DUCKS

**For Sale.**—Beautiful Dark Green Muscovy Ducks. Apply BOX 147, Hinsdale, Ill. 12-6

**Rouen Ducks.**—I have a Few Fine Drakes for sale from the world's best strain of Rouens. Prices reasonable. Absolute satisfaction guaranteed. Write F. D. FOWLER, Carlisle, Ill. 12-9

**Wild Mallard Ducks; Ornamental, Show, Table,** breeders, decoys, Albino (white or green). Head, \$5 per pair. RIVER VIEW FARM, F. B. Fenton, Beloit, Wis. 12-6

**Mammoth Pekin Ducks.** Bred from My Delavan and Milwaukee winners. Show birds and utility birds for sale now. CHAS. W. BEARDSLEY, Darlen, Wis. 12-6

**Mentzer Duck Farm, Waynesboro, Pa.** Seven hundred thoroughbred Imperial Pekin breeders, specially selected from about ten thousand hatched this season. Drakes not akin. None better. 12-6

**Pekin Duck Eggs** from Fine, Large, Healthy stock, \$1.50 per dozen; \$7.50 per 100. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

**Rouen Ducks.** Birds of Fine Quality Bred from imported stock for sale. Winners wherever shown. Eggs in season. BONNIEBROOK FARM, Stillwater, N. J. 12-7

**Wild Mallard Ducks in Full Plumage, Only \$3** per pair; pure white Guinea fowls, only \$2.50 per pair. JOHN G. GERRISH, East Haven, Conn. 12-7

**Indian Runner and Rouen Ducks, Winners** at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

**Ducks! Rouens** Are the Great Quality Table Duck and the fancier's delight. I breed no other kind of birds, and have been perfecting my Rouens for seven years. Send for circular with show record. Magnificent young show birds and eggs for sale. F. D. BAERMAN, Dnnellen, N. J. 12-7

### PHEASANTS

**Golden and Amherst Pheasants.** Guaranteed Finest quality. Young stock, \$12 and \$18 per pair. Partridge, Cochins Bantams; none better; winning four firsts and four seconds at Dallastown Show, November, 1906. Prices reasonable. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-6

**Pheasants.**—Wood and Mandarin Ducks, Peafowl, Pheasants, Fancy water-fowl and Quail, books and color plates. Ginseng, Golden Seal. N. B. CURSTEAD, Oilphant Furnace, Pa. 12-6

**Pheasants, 30 Varieties, \$2 Up.** Most Beautifully colored birds of this world. Easier raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock, Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4

**Pheasants: Amherst, Golden, Silver, Ringneck.** Fancy poultry, pigeons, and ducks. Place your order early for eggs. Good birds on hand. Correspondence solicited. HILLSIDE PHEASANTRY, Reading, Pa. 12-5

### ORNAMENTAL

**Fancy Pheasants, Ornamental Water-fowls, Game** Birds, Shooting Pigeons, etc., from the famous yards of Jul. Mohr, Jr., Ulm, Germany. Write for price list. WENZ & MACKENSEN, Yardley, Pa. Sole agents for U. S. A. and Canada. 13-3

### FANCY PIGEONS

**Pigeons! Thousands! Homers, Runts, Dutchess,** Burmese Hen, Polish Lynx, Carriers, Dragons, Ponters, Pigmies, Fantails, Jacobins, Owls, Turbids, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-7

**Fancy Pigeons.**—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. 12-7

**For Sale.**—Pigeons of the Following Kinds; Jacobins, all colors; Black- and Blue-winged Turbids, Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-7

**German Pigeons.**—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer, in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

**200 Pair Mated White Homers.**—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

**Imported Squab Stock.** Maltese, Cameaux, and large Homers. Linnenoid bands, nest nappies, nest trap; circulars. ERNEST WINSLOW, Apopang, R. I., 1 R. F. D. No. 55. 12-5

**Pigeons of Following Utility Stock, Runts, Maltese** Hens, Dragons, Dutchess, and Homers. 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty St., Camden, N. J. 12-6

**Wanted 5,000 Common Pigeons.**—Pay at Least 30 cents a pair. Highest prices for Homers, guinea fowls and live rabbits. N. GILBERT, 1125 Palmer St., Philadelphia, Pa. 12-5



## HOMING PIGEONS

**Especial Sale 1 Pen, 35 Pairs Homing Pigeons,** \$35; part pure white hens; good squab producers; 8 pounds per dozen and healthy. S. H. EVERETT, Stockton, N. J., L. Box 176. 12-5

**Homing Pigeons.—I Have a Number of Fine** cocks in Blue and Black Chequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race St., Philadelphia, Pa. 12-5

**High-class Homer Pigeons for Squab Raising,** more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

**Working Homers. If You Want Good Birds Write** us. Buy mated birds and save money. Will send beginners' instructions for stamp. WEBER BROS., Hagerstown, Md. 12-5

**County Line Poultry Farm. 25 Pairs Fine Homer** pigeons for sale; \$1.50 per pair; also 1,000 choice poultry and eggs in season. JOS. ANTHONY, East Berlin, Pa., R. F. D. No. 4, 12-5

**200 Pairs Young Mated Homer Pigeons for sale** at 50 cents per pair; all nest mated birds. CHAS. H. WOOD, Green Lawn, N. Y. 12-5

**First Class Mated Breeding Homers.—Ten-pair** lots and over, \$1.35 per pair; under ten pairs, \$1.50 per pair. E. K. McLEAN, Jr., Hoosick Falls, N. Y. 12-6

**Raise Big Squabs; Homers (extra large) Banded,** Squabs weigh 12 to 16 ounces at four weeks; mated pairs guaranteed; correspondence solicited. JOHN COLE, Humboldt, Iowa. 12-6

**Young Pure White Homers in Three Pair Lots,** \$1.00. They are beauties and large; also S. C. Brown Leghorn cockerels (Wittman strain), \$2.00 each. The best show and laying strain known. Circular free. H. M. MOYER, R. 2, Bechtelsville, Pa. 12-6

**Important and Valuable Information That Every** one interested in pigeons should have—mailed free; send postal to-day. HOWARD BUTCHER, New Britain, Bucks County, Pa. 12-6

**Are You Going to Raise Squabs? For Large** guaranteed mated Homers to raise plump, white squabs address E. M. POULSON, Box 55, Bodminster, N. J. 12-7

**Bargains! High-class Mated Homers. Two Pens** of 50 pairs each to close out immediately at a sacrifice; all colors; great squabbers. SQUAB FARM, Marietta, Pa. 12-7

**Square Deal Homers Mated and Blended; Guar-** anteed the peer of any you can buy at \$2 the pair; our price \$1.25 for immediate delivery. Your money back if not satisfied. SQUARE DEAL LOFTS, Souderton, Pa. 12-7

**Wanted.—Homer Pigeons of Good Breeding Age;** any quantity; also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Course Building, Philadelphia, Pa. 12-10

**White Homers a Specialty. The Great Snow Flake** strain are stay-whites, large mated breeders, too. GEO. W. STUMP, Springvale, Pa. 12-7

**One Pen of Fine Large Homers for Sale; Must** make room; will sell cheap by the pair or lot. C. W. CHESTON, Easton, Pa. 12-7

**Homers for Squab Breeding; Mated Birds; Prolific** breeders. Squab raising pays better than poultry. MISSOURI SQUAB CO., 3801 Shaw Avenue, St. Louis, Mo. 12-7

**Homer Pigeons; Large Mated Pairs Guaranteed.** Raise large squabs. Prices Right. H. B. GARVER, 53 E Water St., Middletown, Pa. 12-7

## EGGS

**Eggs! Eggs! From Pure Bred Barred Plymouth** Rocks, Buff Wyandottes, and Mammoth Bronze Turkeys. All eggs sold are guaranteed to be strictly fresh. Special price on 100-egg orders. A few choice Barred Plymouth Rock cockerels (E. B. Thompson Strain) for sale. ALTA VISTA POULTRY FARM, Mrs. R. B. Fray, Propr., Advance Mills, Va. 12-7

**The Louise Poultry Yards. Eggs for Spring Set-** ting for sale. Rhode Island Reds, 15 eggs, \$1; Buff Orpington, 15 eggs, \$1; Lace Wyandottes, 15 eggs, \$1; White Wyandottes, 15 eggs, \$1; Black Minorca, 15 eggs, \$1; Brown Leghorn, 15 eggs, \$1; Game, fine stock, 15 eggs, \$2.50. All true bred stock. G. H. JOHNSON, Propr., Louisa, Va. 12-7

## FERRETS

**Ferrets, Beagles, Fancy Rabbits, Barred Plymouth** Rocks (from Gardner), Toulouse Geese and Indian Runner Ducks. Thirteen years' experience as a breeder. J. M. MARTIN, Delanson, N. Y. 12-10

**Send 10c for Catalogue and the Greatest Book** published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferrett Man, Washington, D. C. 12-12

**Ferrets by the Thousand, Wholesale or Retail,** will clear your buildings of rats; drive rabbits from burrows. Circulars free. JEWETT BROS., London, Ohio. 12-6

## BELGIAN HARES

**Heavy Weight Belgian Hares, Bred From Choice** Pedigreed and prize winning stock. Write your wants. THE PLEASANT VIEW RABBITRY, Clark, Pa. 12-5

## DOGS

**At Stud—"Napoleon"—A Grand, Large, Collie,** two years old, golden sable, excellent breeding; Wishaw Clinker blood. Fee \$5 for a short time. A few fine females for sale. CRYSTAL POULTRY FARM, Washington, N. J. 12-5

## WANTED

**Wanted.—A Young Man Who Has Some Knowl-** edge of poultry, and wishes to learn more on practical plant. Address YORK RIVER POULTRY FARM, Williamsburg, Va. 12-5

## FOR SALE OR EXCHANGE

**Two Thoroughbred Bronze Turkey Gobblers** "young." One White Bull Terrier for sale or exchange. Something fine. Address E. E. RAMSEY, Belair, Md. 12-12

**Large Poultry Farm for Sale. Good Land, Large** dwelling, new barn, outbuildings. Hen houses and yards accommodate one thousand laying hens. Other business the reason. LAUREL HILL POULTRY FARM, Roxbury, Va. 12-6

**Columbian Wyandottes; Quality Bred; Farm** raised. Selected Cockerels \$3 and \$5. Will exchange for Model Incubator, or Brooder. Eggs \$2.50 per 13. B. ALTON SMITH, Station E, Baltimore, Md. 12-7

**For Sale Cheap.—No. 4B Mann Bone Cutter, also** 100-egg Buckeye hot water incubator—both in good shape ready to run. H. F. YARNALL, Pottstown, Pa. 12-7

**For Sale or Exchange.—One Female English Set-** ter Pedigree dog, 9 months old, prefer poultry or offer. W. N. HOUSE, Haddam Neck, Conn. 12-5

## BARGAINS

**Trios Either Golden Wyandottes, Barred Rocks,** Black Minorcas, or White Leghorns, \$3; Rose or Single Comb Buff Orpingtons, Partridge P. Rocks, White Wyandottes, \$4; Columbian Wyandottes, \$5. Other bargains. Choice stock. JOHN P. SMITH, Deckerville, Mich. 12-5

## SUPPLIES

**Before Buying an Incubator Get Our Free Cata-** logue. It will give you some money-saving points. Plans for brooders and poultry houses, 15 cents; poultry hook, 50 cents. COLUMBIA INCUBATOR CO., Delaware City, Del., Box 10. 12-8

**Sea Shells for Poultry and Pigeons. Good Quality** sea shells in barrels, sacks, and ton lots. Samples and prices on request. DANIEL SHEEHAN, Guilford, Conn. 12-5

**Greene's Guaranteed Roup Cure, Large Size 50c,** post-paid; Greene's Guaranteed Canker Cure for pigeons, 50c, post-paid. GREENE CHICK FEED CO., Lowell, Mass. 12-9

**Double Your Egg Yield; Feed Green Bone Cut on** Crow machine, \$6.50; shell mills, \$4.50; send for circulars. W. W. JOHNSON, Stockton, N. J. 12-6

**Colored Leg Bands.—Band Your Poultry, Pigeons,** in colors; identify them at sight. Price list; samples for stamp. A. P. SPILLER, Beverly, Mass., Dept. A. 12-7

**Send 50 Cents and Receive by Return Mail 6** valuable formulas: How to make bug-1-lice, sure death to all vermin; condition powder, for poultry, a good thing; whitewash that will not rub off; to preserve eggs; condition powder, for horses, cattle, etc.; medicated stock food; cider champagne. Address H. W. HOWARD, breeder of Brights B. P. R., 80 Taylor Street, Waltham, Mass. 12-5

## BOOKS

**System in Poultry Practise, Book by James** Shackleton, sells throughout the English speaking world. Price, \$1. Circular free. JAMES SHACKLETON, Box 567, Milburn, N. J. 13-1

**The Homing Pigeon. The Latest Book on These** fascinating birds. 16mo., printed on excellent paper, and profusely illustrated. It is a little gem. Price, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C. 12-10

**The Diseases of Poultry, by D. E. Salmon, D. V.** M. Is the only standard and reliable work published in the English language on this important subject. 248 pages and 72 illustrations. Price, 50 cents, post-paid. Address, GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C. 12-12

1. pen 1, R. T. Paine, Jr.; ck 3, ckl 3, pul 4, R. Oke; ck 5, Mrs. S. G. Job; hen 1, ckl 5, Dr. J. S. Wolfe; pul 3, G. F. W. Lee. **GOLDEN PENCILED:** Ck 1, hen 1, ckl 2, pul 1, S. H. Fessenden; ck 2, hen 2, ckl 3, pul 2, R. Oke; ckl 1, M. R. Jacobus. **SILVER-PENCILED:** All to R. Oke. **WHITE:** All to J. H. Lowell. **BLACK:** Cks 1, 2, hens 2, 5, 6, ckl 1, 3, pul 1, 4, E. P. Saltonstall; cks 5, 6, hens 1, 3, 4, pul 2, R. E. Forbes; cks 3, 4, ckl 4, 5, pul 6, R. Oke; ckl 2, 6, pul 3, 5, R. A. Sears. 12-5

## FRENCH

**Houdans.**—Ck 1, hen 2, pul 6, C. J. Doyle; ck 3, hens 1, 3, 6, ckl 1, 2, pul 1, 2, 3, 4, G. Robertson; ck 4, hen 4, ckl 3, E. H. Morris; ck 5, pul 5, V. Charlton; ck 2, Mrs. S. G. Job; hen 5, D. P. Shove. **Creve Coeur.**—Pen 1, R. Oke. **La Fleche.**—Ck 1, J. H. Warrington; ckl 1, pul 1, R. Oke. 12-5

## MISCELLANEOUS

**Faverolles.**—SALMON: Ck 1, hen 1, ckl 1, pul 1, Wisacre Poultry Farm; hen 2, M. A. Cuff; ckl 2, A. Waite; cks 3, 4, pul 2, 3, Sager & Willis. **Silkie.**—Ck 1, hen 1, E. H. Morris. **Aseels.**—ANY AGE: Male 1, Female 1, G. W. D. Emerson. **A. O. V.:** Ck 1, hen 1, ckl 1, pul 1, R. Oke; ck 2, hen 3, Norton Bros.; hen 2, M. R. Jacobus. 12-5

## GAMES

**SILVER DUCKWING:** All to R. G. Harwood. **INDIAN:** All to H. A. Kirby. **WHITE:** Pen 1, fowls, pen 1, chicks, Rosemary Farm. **A. O. V.**—BUFF-LACED: Hen 1, ckl 1, F. C. Burbank. **Pit.**—BLACK-BREADED: Ck 1, heavy weight; ck 4, light weight, hen 2, pul 1, H. H. Bumford; cks 1, 3, heavy weight, ckl 1, light weight, ckl 2, 3, heavy weight, ckl 1, 2, light weight, pul 3, J. E. Beller; ck 4, heavy weight, hen 1, G. W. D. Emerson; ck 4, heavy weight, hen 3, ckl 1, heavy weight, Deepdale Poultry Farm. **BLACK-BREADED RED:** Pen 1, J. F. McGahan. **BROWN-BREADED:** Ck 1, heavy weight, H. H. Bumford. **BLUE-BREADED:** All to Deepdale Poultry Farm. **WHITE-BREADED BLACK POLISH:** Pen 1, Deepdale Poultry Farm. **GRAY:** Ck 2, heavy weight, ckl 2, heavy weight, H. H. Bumford; hen 1, ckl 1, 3, heavy weight, pul 1, 3, Deepdale Poultry Farm. **ANY OTHER VARIETY:** Ck 2, heavy weight, ck 2, light weight, hens 4, 6, ckl 1, heavy weight, pul 2, H. H. Bumford; cks 1, 3, heavy weight, hens 1, 3, cks 2, 3, heavy weight, pul 1, 3, pens 1, 2, Deepdale Poultry Farm; hen 2, J. E. Beller. **Sumatras.**—BLACK: Ck 1, hen 1, J. W. Field. 12-5

## BANTAMS AND GAME BANTAMS

**Bantams.**—GOLDEN SEEBRIGHT: Ck 1, hen 1, ckl 1, pul 1, R. Oke; ck 2, Kimball Bros. **SILVER SEEBRIGHT:** All to R. Oke. **ROSE-COMBED WHITE:** All to R. Oke. **ROSE-COMBED BLACK:** Ck 1, hen 1, ckl 1, pul 2, R. Oke; cks 3, 6, hens 3, 4, J. Lowell, Jr.; ck 2, hen 2, ckl 2, pul 1, J. V. R. Bright. **BOOTED:** All to R. Oke. **BUFF COCHIN:** Ck 1, hen 1, Kimball Bros.; hens 2, 3, ckl 5, pul 2, L. D. Mudgett; hen 4, G. E. Cruickshank; ck 2, pul 3, J. O'Neill; pen 1, A. E. Green. **WHITE COCHIN:** Ck 1, Kimball Bros.; hen 2, G. Cruickshank; pen 3, Mrs. J. R. Wilkinson. **BLACK COCHIN:** Cks 2, 3, hens 2, 3, pul 3, 4, N. Fraleigh; ck 4, hen 4, ckl 1, pul 2, H. W. Daniels; ck 1, hen 1, ckl 2, pul 1, H. B. Condon; ckl 3, pul 5, J. W. Field. **PARTRIDGE:** Ck 2, ckl 2, J. E. Morse; ck 1, hen 1, ckl 1, pul 1, E. W. Staples. **LIGHT BRAHMA:** Hen 1, pul 3, W. M. Shaylor; ckl 1, pul 4, W. Hayden; pul 1, 2, R. C. Watson. **WHITE JAPANESE:** All to R. Oke. **BLACK JAPANESE:** All to R. Oke. **BLACK-TAILED JAPANESE:** Ck 1, hen 1, ckl 1, pul 1, R. Oke; ck 2, hen 2, pul 2, Kimball Bros. **GRAY JAPANESE.**—ANY OTHER VARIETY: All to H. Hales. **POLISH:** Ck 1, hen 1, ckl 2, pul 1, R. Oke; ckl 1, pul 2, Mrs. R. Whitakers. **A. O. V.:** Ck 1, pul 1, Mrs. R. Whitaker. **BARRED PLYMOUTH ROCK:** Hen 1, W. M. Shaylor. **Game Bantams.**—BLACK-BREADED RED: Ck 1, hen 2, ckl 6, The Hermitage Bantam Yards; ck 2, hen 1, ckl 1, 2, 3, 4, 5, pul 1, 2, 3, 4, 5, 6, Stony Brook Farm; hen 3, J. W. Field. **BROWN RED:** Ck 1, hen 2, The Hermitage Bantam Yards; ck 2, hen 1, pul 1, E. W. Mason; ckl 1, pul 2, F. D. E. Stowe. **GOLDEN DUCK-WING:** Ck 1, hen 1, ckl 1, pul 2, The Hermitage Bantam Yards; pul 1, E. W. Mason. **SILVER DUCK-WING:** Ck 1, hen 1, ckl 1, 2, F. D. E. Stowe; ck 2, pul 1, E. W. Mason. **RED PYLE:** Hen 1, E. W. Mason; ckl 4, pul 2, E. W. Cook; ckl 3, pul 1, The Hermitage Bantam Yards; ckl 1, 2, R. M. Washburn; pul 3, F. D. E. Stowe. **BIRCHEN:** Ck 1, hen 1, ckl 1, pul 1, The Hermitage Bantam Yards; hen 2, pul 3, E. W. Cook; ck 2, pul 2, F. D. E. Stowe. **ANY OTHER VARIETY.**—WHITE: All to E. W. Cook. 12-5

## DUCKS

**PEKIN.**—Drake old 1, ducks old 1, 3, Ellis Bros.; duck old 4, drake young 1, duck young 1, G. B. Inches. **ROUEN:** Drake old 2, duck old 2, drake young 2, duck young 2, pen young 1, White Birch Poultry Farm; drake old 1, duck old 1, drake young 1, duck young 1, E. H. Morris. **AYLESBURY:** Drake old 1, duck old 1, drake young 2, duck young 1, E. H. Morris; duck old 2, drake young 1, duck young 2, G. B. Inches. **INDIAN RUNNER:** Drake old 1, duck old 2, drake young 1, duck young 1, pen young 1, White Birch Poultry Farm; duck old 1, E. L. Tallman; drake young 2, duck young 2, E. H. Morris. **DECOY:** Drake 1, duck 1, House Rock Poultry Farm. **MALLARD.**—ANY OTHER VARIETY: Drake 4, duck 4, S. S. Symmes; drake 3, duck 3, House Rock Poultry Farm; drakes 1, 2, ducks 1, 2, J. C. Todd. **EAST INDIAN:** Drake 1, duck 1, E. H. Morris. 12-5

## GEESSE

**TOULOUSE.**—Gander 2, goose 2, F. McGrann; gander 1, C. W. King; goose 1, M. J. Cain. **EMBDED:** Gander 3, goose 4, C. D. Curtis; ganders 1, 2, 4, geese 1, 2, 3, J. H. Curtiss; gander 5, M. J. Cain; goose 5, H. A. Kirby. 12-5

**BROWN CHINESE:** Gander 2, goose 1, G. B. Inches; ganders 1, 3, geese 2, 3, M. C. Flagg. **WHITE CHINESE:** Gander 1, goose 1, G. B. Inches. **AFRICAN:** Gander 1, goose 1, H. D. Miner. **WILD:** Gander 2, goose 1, H. D. Miner; gander 1, goose 1, E. L. Tallman. 12-5

## TURKEYS

**BRONZE.**—Ck 1, hen 4, pul 2, H. D. Miner; ck 4, A. S. Hall; ck 5, hens 1, 3, 5, ckl 1, 2, 3, 5, pul 1, 3, 4, 5, Williams & Lord; ck 3, Mrs. S. G. Job; ck 2, hen 2, M. J. Cain; ckl 4, T. G. Davis. **WHITE:** Ck 1, hen 1, H. D. Miner. **BUFF:** Ck 1, hen 1, H. D. Miner. **BLACK:** Ck 1, hen 1, H. D. Miner. 12-5

## NOVICE CLASSES

## ASIATICS

**Brahmas.**—LIGHT: Cks 1, 2, 3, Fairview Poultry Farm; ckl 4, pul 6, F. L. Weden. **DARK:** Ckl 1, W. B. Nantell. **Cochins.**—BUFF: Pul 1, A. L. Cutting. **Langshans.**—BLACK: Hen 1 ckl 1, pul 1, W. B. Freeburn. 12-5

## AMERICAN

**Plymouth Rocks.**—WHITE: Ckl 2, pul 1, 2, H. Porter; pul 3, M. McFarland. **BUFF:** Hen 1, H. A. Turner. **Wyandottes.**—SILVER: Cks 1, 2, pul 1, 2, F. H. Sawyer. **WHITE:** Hen 1, ckl 6, pul 2, L. H. Brown; ckl 1, 2, pul 3, W. H. Nobbs; ck 3, H. MacMullen; ckl 4, pul 1, F. A. Woods; pul 4, I. T. Doble. **BUFF:** cks 1, 2, pul 1, H. H. Hawley. **PART-RIDGE:** Hen 1, ckl 2, pul 2, L. F. Sawyer; hen 2, ckl 1, pul 1, Birch Meadow Farm. **COLUMBIAN:** Ck 1, ckl 1, C. A. Thompson; hen 1, ckl 4, pul 2, O. F. Black & Son; hen 2, ckl 5, pul 4, 5, C. R. Chase; ck 6, pul 1, 3, R. G. Richardson; cks 2, 3, G. E. Noyes. **Rhode Island Reds.**—ROSE-COMBED: Ck 1, hen 1, ckl 2, pul 1, Morey Farm; ck 3, pul 2, 3, W. F. Hoyt; ckl 1, L. E. Gray. 12-5

## ENGLISH

**Dorkings.**—SILVER GRAY: Ck 1, hen 1, pul 1, R. Officer. 12-5

## MEDITERRANEAN

**Leghorns.**—SINGLE COMBED BROWN: Ck 1, hen 1, ckl 1, N. B. Hartford. **ROSE-COMBED.**—WHITE: Hen 1, pul 1, G. H. Twombly. 12-5

## GAMES

**Indian.**—WHITE: All to Rosemary Farm. 12-5

## Washington



**HE Poultry and Pigeon Ex-** hibit of the Washington Show, held in Masonic Temple during the week of January 22d, proved to be a success far beyond the expectation of the association. Every available inch of the space in the confined quarters at the disposition of the association was filled to its utmost. All breeds and varieties of poultry and pigeons were well represented from many states—Pennsylvania, Maryland, Virginia, Connecticut and New Jersey all having displays in the classes. 12-5

The managers are to be congratulated on their careful, painstaking efforts to start Washington right in holding a national poultry show, which, it is hoped, will be continued up to the point of close competition with the greatest shows of the world. There is no reason why Washington could not have the most attractive poultry show in the country. Exhibitors are more than anxious to come here and show their fowls. It is thought that within twelve months there will be a hall at the disposal of the association that will fully accommodate the large entry which it is possible to obtain. 12-5

The Asiatic classes were well represented in Light Brahma, Buff and Partridge Cochins. The meritorious specimens in these classes were the first cock, first cockerel, first and second pullets in Light Brahmas. We doubt if there have been better shows this season than the above mentioned. Mr. Louis P. Graham, of Glenolden, Pa., exhibited a grand lot of Buff Cochins. The other exhibitor in these classes was Mrs. Ella Williams, who most certainly has a fine lot of Cochins. Black Langshans made up some remarkably good classes; specimens direct from the New York Show competed here against others not shown this winter. 12-5

The American classes, as might be expected, were the best in the Show. In 12-5



Barred Plymouth Rocks, the pen that won first is a marvel. It is thought that the male bird heading this pen could have won at either New York or Boston in the open classes. The females were good enough to win any place. The Barred Plymouth Rock cock bird winning first, also the pullet winning first, would be classed as first quality in any exhibition. All the specimens winning in the Barred Plymouth Rock classes, and some entirely out of the award line, are a credit to their owners. In White Plymouth Rocks, three of the leading breeders of the country contended. A cock bird that won first here was the same that won first as cockerel at Cincinnati a year ago, but is much improved in every respect. First cockerel and first pullet were more than fine in quality. The entire outfit of the White Plymouth Rock classes, including the pens, would do credit to New York or Boston.

In pens, one of the best was placed third on account of a defect in one of the females. The male in this pen would rank with the best. The display of Buff Plymouth Rocks called together some of the best specimens that have been shown at other places. For color, Plymouth Rock qualities and real beauty, the class stood near the top in the Show. When you find a class of Buff Plymouth Rocks coming so close to the Whites as did those here, you will realize the real quality shown. A number of Partridge and Silver-penciled Plymouth Rocks were shown. We imagine that the acknowledgement of the American Poultry Association, at their recent meeting, of the Silver-penciled Plymouth Rocks as being of Standard recognition, makes this variety one of the most popular of the future. Mr. Correy certainly worked hard for this, and should be congratulated on having them admitted. The Silver and Golden Wyandottes were not what they should be, much better quality being in the country than were shown. The Golden pullet, winner of first, was the best in the classes. We trust that the exhibitors in these two classes will gather together and come again next season with specimens worthy of their reputation. While they have chosen the most difficult to handle, they should not neglect their part, for these two are becoming leading classes in other localities.

White Wyandottes were represented by a wonderfully fine lot. A number of the best breeders in the states mentioned above came here to exhibit their birds. In old birds, the quality was remarkably good—in fact, it was difficult to select the winners from so many good ones. In the young stock the first cockerel and first pullet are thought to be the gems of the exhibition. The first pullet is about as good, if not fully the equal of any we have seen this winter. Besides winning first in her class, she wins the color special. The other winners in these two classes were remarkably good. It was a surprise to meet with the quality shown in Black Wyandottes. While most of them were shown by one exhibitor, they were all worthy of the variety.

In Buff Wyandottes, Mr. Calvin Hicks had considerably the best of it. One of the finest pullets in this exhibit would not hold her tail straight a moment when the coop door was open; when the door was closed, she was a remarkably attractive bird. So soon as the coop door was open to examine her, she became so frightened that it was impossible to handle her to advantage. All of the Buff Wyandottes good in quality of type and color.

Truly, the Columbian Wyandottes have caused a furore in this section of the country. A number of them of remarkable quality, were shown. One of the high-class winners of New York was shown here in the cockerel class, winning first. First and second hen, first and second pullet were wonderfully fine specimens of their kind. The breeding pen of Columbian Wyandottes contained some of the best specimens seen this winter. The cockerel therein ranks well up in quality.

The Rhode Island Red classes were represented in both single and rose-combed of remarkably good quality. It was surprising to see that the greatest number was shown in the rose-combed classes. The breeders, many of them new to us, brought together an exhibit that would please the club had they been here to have seen them.

In Orpingtons some very superior quality birds were shown. In Black Orpingtons, first and second pullets were more than good. Friend Gray, who exhibited them, was carried away with delight at his success. Colonel Perrine, of Trenton, N. J., shows a fine lot of Blacks.

In the Mediterranean classes, the Browns were the banner exhibit. The male birds, all of them, were excellent in quality. First and second cock and all the winning cockerels were beautiful in Leghorn type and excellent of finish, color being remarkably good. In females, the hens and pullets almost beggar description. A review of the prize list tells the tale of quality better than we could individualize throughout the classes. Black Leghorns, White Leghorns and Buff Leghorns were of more than beautiful type and color. Red Pyle, Rose-combed Buff, Rose and Single-combed Minorcas, Blue Andalusians and Black Spanish were equal to any we have seen this season.

It seems almost unnecessary to follow with the description of individual birds, from the fact that many have been spoken of before in our write-ups of the three great shows which have preceded this one. Yet we can not refrain from calling special attention to the Hamburg classes that came to Washington, and we wish to convey to the poultry fraternity that full classes of Sumatra Games were shown here, and Prof. Nelson A. Wood, the past master in the art of producing Sumatra Games gives it as his opinion that there has never been such an exhibit of Sumatras gathered together in the whole world as was shown in Washington during the week of the Washington Show. If our English cousins could have seen this lot of high-type specimens, they would have realized that the breeders of America knew how to produce them. In Exhibition Games, Indian Games, Silkies, Jungle Fowls, Naked Necks and Buckeye Reds, there was a fair representation.

The Bantam classes were remarkably good. Winners from several large winter shows were here, and came in competition with the best of this locality. The award lists will show conclusively that the breeders nearby have as good quality as can be found in the country. In Asiatic Bantams, the Light Brahma, the Buff and Partridge Cochins were wonderful in quality. There was keen competition in each one of these classes, as there was in Sebrights, Game Bantams, and the beautiful Rose-combs. No turkeys or water-fowls were shown. It will be surprising to know that there were forty-four exhibition yards and twelve large displays cooped in the hall, besides thirty-six entries of beautiful birds of

Pocket-money Poultry, by Myra V. Norys. Written particularly for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping, and thoroughly illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The American Fancier Poultry Book, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Money in Squabs, by J. C. Long and G. H. Brinton. The only practical book published on raising squabs for market, and is of untold value to all interested in raising pigeons for pleasure or profit. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Squab Book," by W. E. Rice, is one of the latest additions to The Feather library. This new book, with its questions and answers, is indeed a treat for squab breeders. It is printed on enameled paper and is profusely illustrated. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Pigeon Book," by J. C. Long, is superbly printed on calendered paper, and illustrated with a half hundred fine half-tones. This book is credited with being the best and most practical book published on breeding and raising all kinds of pigeons. No library or home of a pigeon fancier is complete without it. The illustrations are said to be the finest and most accurate ever drawn. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"Plymouth Rocks," by T. F. McGrew. Contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Wyandottes. This Valuable Volume Was Written by T. F. McGrew. It contains ten colored plates of the several varieties of Wyandottes, and other illustrations in black and white. It is for the benefit of breeders of Wyandottes that this book is issued, and it should prove of considerable value to all interested in these fowls. Prices: Paper, 50 cents; cloth \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Feather's Up-to-date Poultry House. To Be successful with poultry, either for pleasure or profit, depends greatly upon the proper housing of the fowls. The Feather's Up-to-date Poultry-house sets forth a plan of house that can be built at the minimum cost, as well as the cheapest and best way for raising poultry. Price, paper, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

How to Grow Chicks. Another Problem to the Poultrymen is that of growing young chicks. In the little volume just out, by T. F. McGrew, this subject is carefully treated, the troubles to overcome, the proper housing, proper food and manner of feeding, etc., being fully considered. There are a number of very good illustrations in this little volume. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Egg Question Solved. The Solution of the egg question is bound to appeal to all interested in this question. Mr. T. F. McGrew wrote the manuscript for this little volume concerning this problem. It is printed on a good quality of paper, is nicely illustrated, and altogether makes an attractive and valuable little book. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

## MISCELLANEOUS

County Line Poultry Farm Barred Rocks and Buff Leghorns again winners. Lockport, N. Y.: 1 entry Barred Rocks, 21 pen; Buff Leghorns, 2d cock, 2d hen, 1st, 2d and 3d cockerels, 1st, 3d and 4th pullet, 1st pen; Auburn, N. Y., 2d and 3d cockerels, 3d, 4th and 5th pullets, 1st and 3d pens. Send for catalogue of matings. Address A. G. BARLOW, Box A, Barker, N. Y. tf

Ninety Varieties Poultry, Eggs, Pigeons, Ferrets, dogs, Angora goats, Belgian hares, etc. Descriptive sixty-page book and store at your door, 10c. mailed. List free. J. A. BERGEY, Box 22, Tel ford, Pa. tf

All Breeds of Live Pure Bred Poultry, Pigeons, Pheasants, Turkeys, Rabbits, Belgian Hares, Cavies, Dogs, Cats and all pet stock. A complete list in our large 162-page catalogue. EXCELSIOR WIRE & POULTRY SUPPLY CO., Dept. T, 26 and 28 Vesey St., New York City. 12-12

Selling Out Fine White, Brown and Buff Leghorns, and Rose- and Single-combed Orpingtons, \$1.25. Dnroc and Chester White pigs, \$5. SERENO WEEKS, DeGraff, Ohio. 12-5

Choice Homers and Fantails, All Colors, Bantams, Plain and Bearded Polish. Golden and Silver Sebright, Black and White Rose-combed, Buff, Black, White, and Partridge Cochins. I. S. MILLER, Allentown, Pa. 12-5

Single-combed White and Buff Leghorns, White Plymouth Rocks, and White Wyandottes. Eggs, \$1 per 15. Satisfaction guaranteed. Address DELAWARE VALLEY POULTRY YARDS, Stockton, N. J. 12-5

Cockerels for Sale.—R. C. Rhode Island Reds, White Wyandottes, White Leghorns, S. C. Rhode Island Reds, Black Minorcas, Mottled Anconas, Golden Polish, and W. C. B. Polish. W. L. BUCHANAN, Baltimore, Fairfield Co., Ohio. 12-5

Shady Lawn Poultry Farm. Prize Winning Toulouse geese, Moscow ducks, Wyandottes, Rocks, Leghorns, Hamburgs, Langshans, White turkeys, and Guineas. Stamp for catalogue. B. F. KAHLER, Hughesville, Pa. 12-5

Winter-egg Problem Solved. Something That Will do the work, not merely claim to do it. Trap-nest plan and particulars for stamp. CHARLES STEWART, Bradford, Pa. 12-5

Single-combed Black and White Minorcas, Buff and Barred Rocks, Single-combed Brown Leghorns, Golden-laced Wyandottes. White-faced Black Spanish stock for sale. From \$1.50 to \$2.50. Satisfaction guaranteed. MR. JOE FIDLER, Westville, Pa. 12-5

Buff Wonder, Rose and S. C. Buff Wonders; a distinct new breed. Rose and S. C. Buff Leghorns stock for sale; 2-cent stamp for circular telling all about this new breed. J. B. SMITH, Westerville, Ohio, R. No. 3. 12-5

Write to Common Sense Correspondence School of Poultry Culture, Baltimore, Md. Beginners and others can not fail to succeed who pursue our course of instructions. 12-5

Coots—These Beautiful Birds Can Be Bred in captivity. Have a limited number at \$3 per pair. MEDFORD FARM, Nickerson, Kans. 12-5

For Sale.—Cockerels from S. C. White and Brown Leghorns, Barred and White Rocks, and White Wyandottes. STROUD & WALKER, Floris, Va. 12-5

For Sale.—30 Varieties; Chickens, Turkeys, Geese, ducks, ferrets, 3 pedigreed fox terrier females. Thousands of prizes won. Satisfaction guaranteed. SMILEY & SON, Milligan, Ind. 12-8

Pure Bred Poultry Stock and Eggs for Sale. Golden Wyandottes, White Rocks, Black Minorcas, S. C. Buff and Brown Leghorns; Ancona eggs, \$1.25 per 15; satisfaction guaranteed. WILL S. SHIFFER, Milton Grove, Lancaster County, Pa. 12-6

Prize Winning Strains, Single Comb Buff Orpingtons, Black Minorcas, Silver Pencilled Wyandottes, Partridge Cochins Bantams, stock and eggs; also Fancy Homers. J. H. HAHN, Littlestown, Pa. 12-6

Closing Out Sale; 30 S. L. Wyandottes, 25 Pekin Ducks, Rose Combed White Leghorns, and White Rocks, \$1, \$2, each. SUSIE KEATING, Council Bluffs, Iowa. 12-6

Barred Rocks, Choice Matings; Eggs, \$1.50 per 13; \$6 per hundred. S. C. Buff Orpingtons, fine stock, true to color, \$2 per 13; \$9 per hundred. S. C. White Leghorns, bred for size and laying qualities, \$1 per 15; \$4 per hundred. G. E. BES-SOM, Mansfield, Mass. 12-6

Big Bargains in Thoroughbred Stock. Cockerels and pullets. Black Minorcas, Columbian and Partridge Wyandottes, Rhode Island Reds. Satisfaction guaranteed. GEO. W. DELL, Carson City, Mich. 12-6

Barred, Buff and White Plymouth Rocks, White Wyandottes, White Minorcas, White Leghorns and Mammoth Pekin Ducks, \$3 each; \$7.50 for trio. Eggs, \$2 for 15; \$5 for 45. Duck eggs, \$1.50 for 11; \$5 for 44. Catalogue free. EDWARD G. NOONAN, Prop., East Donegal Poultry Yards, Marietta, Lancaster County, Pa. 12-6

For Sale—Shetland Ponies, Ferrets, Poultry, Pigeons, Pheasants, Rabbits, Guinea Pigs, Goats, Cats, Dogs; 2-cent stamp for circulars. COL. JOSEPH LEFFEL, Springfield, Ohio. 12-6

Toulouse Geese, America's Best Imported Stock. Birds, \$4 each; Silver Spangled Hamburgs, \$1; Barred Rocks, \$1 Cornish Indian Games, \$1; eggs in season. Write your wants. ROSEVALLY POULTRY FARM, Platte Centre, Neb. 12-6

Choice, Pure-bred Poultry—Buff Cochins, White and Golden Wyandottes, Barred and Buff Rocks, S. C. Black and White Minorcas, S. C. Buff and Brown Leghorns, S. S. Hamburgs; also Mammoth Bronze Turkeys. Eggs and stock for sale reasonable. Eggs, \$1 per 15. Turkey eggs, 25c each. JOHN W. NEWCOMBE, R. F. D. No. 3, Mt. Joy, Pa. 12-9

Eggs, 10 Cents Each; Expressage Prepaid; from as good as any; never had better; blue ribbon. Single Comb White Minorcas, Rhode Island Reds, Buff Orpingtons, Buff Leghorns, White Rocks, Cockerels, \$10 each. In Des Moines; finely located; brick store and dwelling rooms; also small poultry farm. Bargains. GOLDEN EGG POULTRY, East Des Moines, Iowa. 12-7



all kinds and character. These birds, many of them quite rare in quality, attracted special attention from all the exhibitors who came to the hall.

In addition to that which we have above described was a display of pigeons such as could only be gathered in a pigeon district, adjacent to the District and Baltimore. A great number of the New York winners are here, the owners and the judges fighting over the battles of two weeks ago with as keen contention as was ever displayed. No fancier is equal to the pigeon fancier, and no fancier is so anxious to be successful as they. Among the pigeons nothing seemed more attractive than the display of record winning Flying Homers owned in this locality.

Incubator manufacturers were represented by the Prairie State Incubator Company, the National Hen Incubator Company, Hagerstown Incubator Company, M. M. Johnson, of Nebraska, and the Mandy Lee, from Omaha. All of these did remarkably well in the hall, as did the Inland Journal, who sent their representative here to take subscriptions during the Show.

## AWARDS

### ASIATICS

Brahmas.—LIGHT: Ck 1, ckl 1, pul 1, 2, pen 1, Friendship Heights Poultry Yards; hens 2, 3, Mrs. G. C. Winans; ckl 2, C. W. Lord, Cochins.—BUFF: Ck 1, hen 1, ckl 1, pul 1, Louis P. Graham; ck 2, M. G. Bankers; ck 3, hen 2, ck 2, pul 2, 3, Miss Ella Williams. PARTRIDGE: All to Louis P. Graham. Langshans.—BLACK: Ck 1, hens 1, 4, ckl 3, pul 4, 5, pen 2, P. H. McCormick; hen 3, ckl 4, 5, pul 1, 3, pen 1, R. W. Holland; hen 2, ckl 1, 2, pul 2, D. J. Hoge & Son; pen 3, P. S. Campbell.

### AMERICAN

Plymouth Rocks.—BARRED: Ck 1, ckl 5, pul 1, pen 4, C. L. Blanton; ck 3, hen 1, pul 2, pen 5, H. G. Riley; ck 5, hen 4, pul 5, O. B. Williams; ck 2, hen 2, ckl 1, pen 2, W. L. Elsea; ck 4, John R. Risdon; hen 3, ckl 2, pen 3, J. B. Clark & Bro.; ck 3, H. L. France; ckl 4, pul 3, 4, Hartman & Son; pen 1, Friendship Heights Poultry Yards. WHITE: Cks 1, 3, 4, hen 4, ckl 2, 5, pul 2, pens 1, 2, J. F. Defandorf; ck 2, hen 1, ckl 1, 3, 4, pul 4, C. C. Burrough; ck 5, hen 5, Exmoor Farm; hens 2, 3, pul 3, Maryland Poultry & Egg Farm; pens 4, 5, C. E. Gibbs; pen 3, Friendship Heights Poultry Yards. BUFF: Ck 1, D. Dayhoff; ck 2, hen 1, ckl 1, pul 1, Exmoor Farm; ck 4, hen 2, ckl 2, pul 4, Mrs. R. P. Hines; ck 5, A. H. Kirk; ck 3, Calvin Hicks; hen 3, ckl 4, pul 5, pen 1, J. L. McCormick; ckl 5, pul 3, J. W. Silcott; ckl 3, C. A. Matsinger; pen 2, J. H. Janney. PARTRIDGE: All to Hillcrest Farm. SILVER-PENCILED: Ck 1, hens 1, 3, ckl 1, pul 1, pen 1, Hillcrest Farm; hen 2, pul 2, Exmoor Farm; ckl 2, pul 1, Wm. R. Bowers. Wyandottes.—SILVER: Hens 1, 2, ckl 1, H. A. Bacon; ckl 2, pul 2, C. F. Rothenhoefer; pul 1, C. F. Fix. GOLDEN: Ck 2, ckl 1, pul 1, 3, W. H. Edeler; ck 1, Mrs. S. M. Spencer. WHITE: Ck 3, L. G. Plath; ck 2, hen 1, ckl 2, pul 2, pen 5, Ola E. Remsen; ck 1, ckl 5, M. E. Rose; ck 4, hen 3, pens 1, 2, Mrs. T. W. Turner; ck 5, L. P. Graham; hens 4, 5, pul 3, E. J. Wilver; hen 2, ckl 4, Silverside Poultry Yards; ckl 1, pul 1, Friendship Heights Poultry Yards; pen 3, J. D. Summer; pen 4, M. A. McCormick. BLACK: Hen 1, ckl 1, 2, 3, pul 2, Geo. H. Boyd; hens 2, 3, ckl 4, pul 1, Hillcrest Farm; cks 1, 2, hens 1, 2, 3, ckl 1, 5, pul 2, Calvin Hicks; ck 4, hen 4, pul 1, Silverside Poultry Yards; ckl 3, 4, pul 4, 5, Ola E. Remsen; ck 1, hen 3, pen 2, J. D. Summer; hens 1, 2, ckl 5, pul 1, 2, 5, pen 1, Friendship Heights Poultry Yards; ckl 2, 4, Mrs. T. W. Turner; ckl 3, pul 3, 4, Exmoor Farm. BUFF: Cks 1, 2, 3, hens 1, 2, 3, ckl 1, 5, pul 2, Calvin Hicks; ck 4, hen 4, pul 1, Silverside Poultry Yards; ckl 3, 4, pul 4, 5, Ola E. Remsen; pul 3, pen 1, C. E. Ramsay; ck 2, Exmoor Farm. Rhode Island Reds.—SINGLE-COMBED: Ck 1, hen 1, ckl 1, 2, pul 1, Geo. W. Sweeting; ckl 3, 5, J. S. McCoy; ckl 4, pul 2, G. H. Hoag. ROSE-COMBED: Ck 1, hen 1, ckl 3, 4, pul 3, 4, Geo. W. Sweeting; ck 3, hen 2, pul 1, Maryland Poultry & Egg Farm; ck 2, pul 2, 3, G. H. Holland; hens 3, 5, W. L. Rutherford; pul 5, pen 2, J. R. Pumphrey; ck 2, W. A. Shook. BUCK-EYES: All to Mrs. C. M. Robinson.

### ENGLISH

Orpingtons.—SINGLE-COMBED BUFF: Ck 2, hen 1, ckl 1, Col. Lewis Perrine; ck 1, R. J. Kinsley; hen 2, ckl 2, F. W. Taylor; ck 3, pul 4, W. L. Rutherford; ckl 4, D. J. Summer; pul 2, 3, C. E. Gibbs. SINGLE-COMBED BLACK: Ck 1, hen 1, pul 3, Col. Lewis Perrine; pul 1, 2, W. C. Gray.

### MEDITERRANEAN

Leghorns.—SINGLE-COMBED BROWN: Ck 5, ckl 4, E. K. Ramsburg; ck 3, hen 3, ckl 5, pul 3, pens 3, 4, W. R. Bowers; cks 2, 4, pul 4, R.

C. Booth; ck 1, ckl 2, Bert Christensen; hens 1, 2, 4, 5, pul 1, 2, 5, pens 1, 2, Sophia C. Pitchlynn. SINGLE-COMBED BLACK: Ck 1, hen 1, ckl 2, pul 2, C. E. Rothenhoefer; ckl 1, pul 1, Exmoor Farm. ROSE-COMBED BLACK: Hen 1, Geo. H. Boyd. SINGLE-COMBED WHITE: Ck 1, hen 5, Mrs. R. P. Hines; ck 2, hen 2, ckl 2, 3, pul 2, J. C. Hunter; cks 1, 3, hens 1, 3, ckl 1, 2, pul 1, 3, Glenolden Poultry Yards; ck 4, W. J. Aitken; hen 4, pul 4, C. B. Krogmann, Jr.; ckl 4, pen 1, J. R. Risdon. SINGLE-COMBED DUCKWING: All to Exmoor Farm. SINGLE-COMBED BUFF: Ck 2, hens 2, 3, John I. Craig; ck 1, hens 1, 4, ckl 1, 2, pul 2, 3, 4, Calvin Hicks. RED PYLE: All to Exmoor Farm. ROSE-COMBED BUFF: Cks 1, 2, pul 1, John Silcott; cks 3, 4, pul 2, 3, 4, J. D. Summer. Minorcas.—SINGLE-COMBED BLACK: Ck 1, hen 1, C. F. Rothenhoefer; ck 1, hen 3, ckl 3, pen 1, F. H. Fulford; hens 2, 4, ckl 1, 2, pul 2, Ola E. Remsen. ROSE-COMBED BLACK: All to J. E. Weaver. Andalusians.—BLUE: Ck 1, hens 1, 3, pul 1, John H. White; hen 2, ckl 1, pul 2, Exmoor Farm; hens 2, 3, ckl 1, W. Curtis.

### POLISH AND HAMBURGS

Polish.—WHITE CRESTED BLACK: All to M. J. Bankers. Hamburgs.—SILVER-SPANGLED: Ck 1, hen 1, pul 1, Dr. J. S. Wolfe; ck 2, pul 3, Exmoor Farm; ckl 1, M. DeWitt Wolfe; pul 2, 4, J. S. Goldsmith. BLACK: All to Exmoor Farm.

### GAMES

BLACK-BREADED RED.—All to J. Pierson & Son. RED PYLE: Ckl 1, C. S. Cotton. SUMATRA: Ck 1, hen 1, ckl 1, 2, pul 2, H. L. Alden; cks 2, 3, hens 2, 3, 4, ckl 3, 4, pul 1, 4, N. B. Warner; ckl 5, pul 3, J. A. Pierce. WHITE EXHIBITION: All to N. B. Warner. CORNISH: All to N. B. Warner.

### MISCELLANEOUS

Silgies.—All to M. Stinemetz. Jungle Fawn: All to M. Stinemetz. Naked Necks: All to Edw. Schmid.

### BANTAMS

BLACK-BREADED RED GAME.—Ck 2, hen 1, ckl 2, pul 2, B. B. Jones; ck 1, hens 2, 3, 4, ckl 1, pul 1, 3, M. Stinemetz. BROWN RED GAME: All to B. B. Jones. GOLDEN DUCKWING GAME: All to B. B. Jones. SILVER DUCKWING GAME: Hen 2, ckl 1, B. B. Jones; hens 1, 3, 4, ckl 2, pul 1, 2, M. Stinemetz. RED PYLE GAME: All to B. B. Jones. BIRCHEN GAME: All to B. B. Jones. WHITE GAME: All to B. B. Jones. GOLDEN SEBRIGHT: All to Geo. E. Rowland. SILVER SEBRIGHT: Ck 2, hens 2, 3, B. B. Jones; ck 1, hen 4, Geo. E. Rowland. ROSE-COMBED WHITE: Ck 1, hen 1, pul 2, C. M. Diffenderfer; pul 1, B. B. Jones. ROSE-COMBED BLACK: Ck 1, hen 1, M. Stinemetz; hen 2, ckl 1, pul 1, C. M. Diffenderfer. BUFF COCHIN: Ck 1, hens 1, 3, ckl 2, pul 2, 3, 4, pen 1, M. Stinemetz; hen 2, L. P. Graham; hen 4, ckl 1, pul 1, C. M. Diffenderfer. WHITE COCHIN: All to M. Stinemetz. BLACK COCHIN: All to M. Stinemetz. PARTRIDGE COCHIN: Ck 3, hen 1, ckl 2, pul 2, 4, M. Stinemetz; ck 2, hen 2, ckl 1, pul 1, C. M. Diffenderfer; ck 1, hen 3, pul 3, L. P. Graham. LIGHT BRAHMA: Ck 3, hens 2, 3, 4, ckl 1, 3, pul 1, 2, pen 1, M. Stinemetz; cks 1, 2, hen 1, ckl 2, pul 3, 4, 5, Friendship Heights Poultry Yards. DARK BRAHMA: All to C. M. Diffenderfer. BLACK-TAILED JAPANESE: Ckl 1, pul 1, Irwin Hoffman; pen 1, Friendship Heights Poultry Yards. WHITE POLISH: All to C. M. Diffenderfer.

## Business World

An error was made in our January number in the ad of T. J. Stout. Instead of \$2.00 it should read \$200.00, which he claims can easily be made per square rod raising ginseng. Please read his corrected ad in this issue.

We met Mr. Briggs at the New York Show and were more than interested in his method of poultry keeping. He publishes a book called "Profits in Poultry Keeping Solved." In this book will be found a world of information. Write to Mr. Edgar Briggs, Box 25, New Rochelle, N. Y., and he will furnish information that may prove of untold value in saving some of the cost of feed and care.

As old as the keeping of poultry in modern times is the name of Lee's Lice Killer. The Geo. H. Lee Co., of Omaha, Nebr., the originator of these useful goods, has just issued their new catalogue describing everything they manufacture. They are very anxious indeed that every reader of THE FEATHER should have one of these catalogues. Drop them a postal card, telling them you saw this in THE FEATHER, and ask them to send you one.

The Lucky 13—Golden Polish, W. C. B. Polish, Houdans, R. C. Reds, White Leghorns, Silver and White Wyandottes, S. C. Reds, White Cochins, Black Minorcas, Black Langshans, Anconas, Buff Orpingtons. Eggs, assorted as you want them: \$1 for 13; \$2 for 30. W. L. BUCHANAN, Baltimore, Ohio. 12-7

Breeder White Wyandottes and Rhode Island Red and Single Comb White Leghorns. My birds are great layers; fine shape and size. Eggs, \$2 for 15, and \$3 for 30. Satisfaction guaranteed. JOHN M. YERGER, Gilbertsville, Pa. 12-7

Must Go!—Leghorns and Wyandottes, All Varieties; also incubators and brooders; entire stock and fixtures of the late P. M. Hughson's Mundy Farms. Big Flats, N. Y. Prices, half value. Write for special sale list. Address all inquiries to G. ARCHER TURNER, Horseheads, N. Y. 12-7

30 Eggs, \$1. Breeder 40 Varieties. Send for Circular of what I breed. Am booking orders now. ADA M. MANLOVE, Plymouth, Ill. 12-7

Eggs \$1 for 15, \$2 for 40, from Thoroughbred Light and Buff Brahmas, Rocks, White and Buff Wyandottes, Reds and Leghorns. 12 varieties; catalogue. S. K. MOHR, Coopersburg, Pa. 12-9

W. A. Eberly, Dallastown, Pa., Has Some Very fine stock in Buff Rocks, Buff and White Wyandottes, and Buff, White, and Black Cochins Bantams. Correspondence solicited. Write me your wants. Eggs \$2 per setting. 12-7

Henry R. Minner, Hereford, Pa. Golden and White Wyandottes, Buff Pekins, Brown Red Games, and Partridge Cochins Bantams. Eggs and stock for sale. Write wants. 12-10

Eggs for Hatching, Toulouse and African Geese, White and Buff Plymouth Rocks; Silver Gray Dorkings and Pearl Guinea. Circular free. J. L. HOAK, Spencerville, Ohio. 12-7

Brown China Geese, Indian Runner Ducks, B. T. Japanese Bantams, Barred P. Rocks. Prize winning stock. Eggs in season. Fox terriers. O. C. SECHRIST, Meriden, Kans. 12-7

Eggs \$1. White, Golden, Silver and Partridge Wyandottes, White and Barred Rocks, White, Buff, Brown, and Rose Comb Brown Leghorns, Black and Minorcas, Cochins Bantams, Pekin and Indian Muscovy Ducks. UNION POULTRY FARMS, Union City, Mich. 12-7

A Poultry Shade in Three Weeks; "Mucuna Utilis," plant along the fences or trellis, cover the unsightly places with them; seed, 25 cents one-half pound post-paid. SUNNYSIDE POULTRY FARM, De Funiak Springs, Fla. Box 300. 12-11

Choice Rose Comb Rhode Island Reds, Golden Wyandotte, and Buff Rock Cockerels; up to Standard weight; fine in shape and color. Write now to get a good one at reasonable price; satisfaction guaranteed. Eggs for hatching supplied on short notice, \$2 per 15. D. R. STOUT, McLean, N. Y. 12-7

22 White or Brown Leghorn Eggs, \$1; also Rhode Island Reds, White Barred and Buff P. Rocks; many other varieties; reasonable; catalogue. JOHN RUBRECHT, Telford, Pa. 12-8

Eggs for Hatching. All Pure Breeds. Light Brahmas, Dark Brahmas, Partridge Cochins, Buff Cochins, White Wyandottes, Barred Plymouth Rock, Single-combed White Leghorns, Rose-Comb Buff Leghorns. \$1 per 15. White Pekin Ducks, 75 cents per 11. Satisfaction guaranteed. FRANK G. WEED, Hightstown, N. J. 12-8

Buff Orpington Cockerels, True Buff, also Trio of White Plymouth Rocks and L. Brahmas for breeding. MOUNTAIN VIEW POULTRY RUNS, Box 157, Springfield, N. J. 12-7

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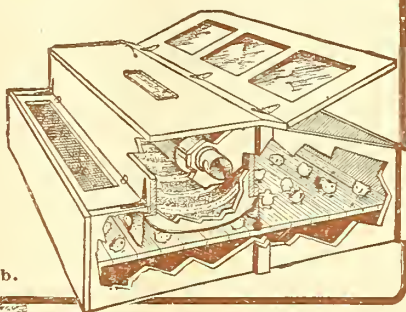
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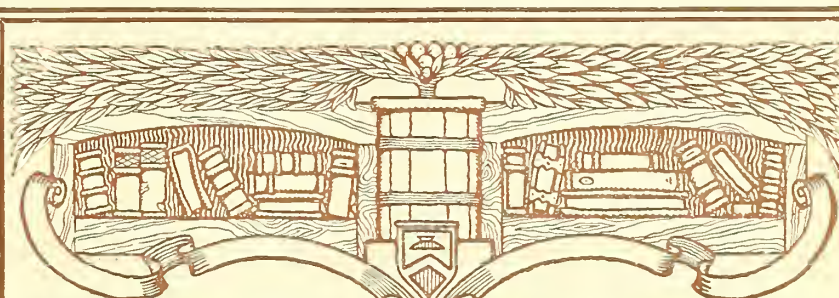
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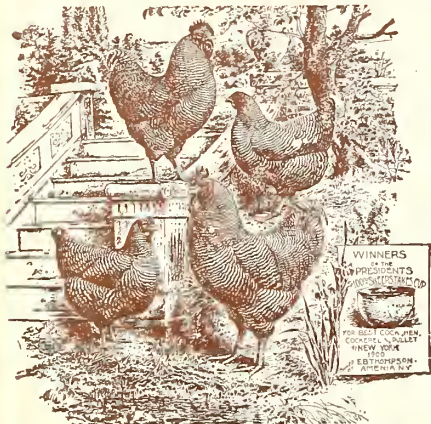
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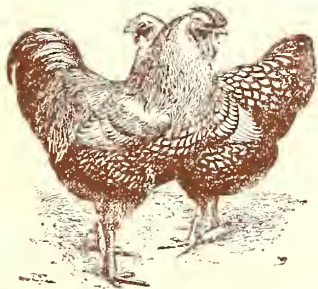
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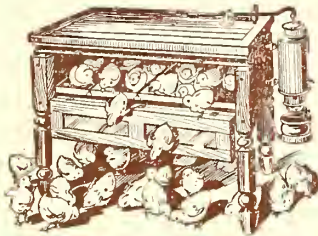
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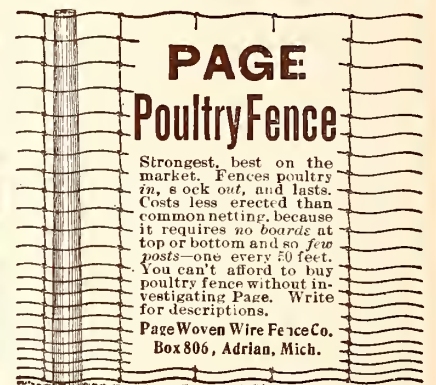
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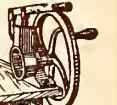
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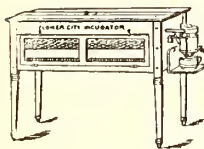


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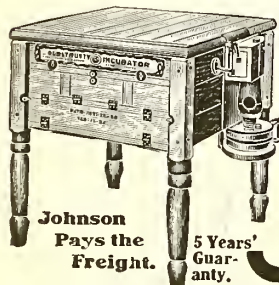
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is a favorite with poultry raisers and is used by thousands. Strictly high grade in material, workmanship and the way it works, it has improvements and conveniences no other incubator has and is a favorite with the women folks on account of Removable Chick Tray and Nursery. It is simple in operation, hatches strong, vigorous chicks, the kind that grow to profit. It's satisfactory in every respect. Read what users say about the Gem:

Gentlemen—I have used my Gem Incubator successfully two seasons, and it is entirely O. K. Have just hatched 107 chicks from 108 fertile eggs.

MRS. H. D. PEABODY, Wakeman, Ohio.

Gentlemen—I have made six hatches with the No. 1 Gem Incubator, and got 580 chicks, the last hatch was 111 chicks from 111 eggs.

MRS. F. UNGER, Lewisburg, Ohio.

Give a trial—we know you will like it. Catalog free.

The Gem Incubator Co., Box 431 Trotwood, O.



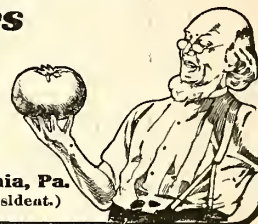
AND  
UP

## JOHNSON'S STANDARD SEEDS and Poultry Supplies

JOHNSON'S GARDEN AND FARM MANUAL FOR 1907

tells about many valuable novelties, including Johnson's Jack Rose, the earliest and best Tomato in the world, even surpassing our famous Spark's Earliana. Johnson's New Poultry Supply Catalogue, full of up-to-date suggestions for every Poultry and Pigeon keeper. Either or both are yours for the asking.

JOHNSON SEED COMPANY, 217 Market St., Philadelphia, Pa.  
(HERBERT W. JOHNSON, of the late firm of Johnson & Stokes, President.)



# HAWKINS'

ROYAL BLUE STRAIN

## PLYMOUTH ROCKS

BARRED, WHITE AND BUFF.

WYANDOTTES, COLUMBIAN, WHITE,  
SILVER, BUFF.

Have won more prizes at New York, Boston, Washington, and America's greatest shows than all others.

My matings this season are the best I ever owned.

At New York, in the strongest show of Barred Rocks ever seen, 451 Birds, I won 1st, 2d, 3d and 4th Cockerels; 1st, 2d and 3d Pullets; 1st and 3d Cocks; 1st and 2d Hens; 1st and 2d Breeding Pens. My other varieties are of the same high quality. Hundreds of choice exhibition and breeding birds at honest prices. EGGS from Prize Matings: one setting, \$5.00; two settings, \$8.00; three settings, \$10.00; five settings, \$15.00. \$20.00 per 100. Catalog of America's finest Plymouth Rocks and Wyandottes free.

A.C. HAWKINS, Lock Box 28, Lancaster, Mass.



First Cockerel at New York.

36 First  
and Special  
Prizes at  
BOSTON  
and  
NEW YORK  
1907.

Winners at New York, from Life.

## S. C. Brown Leghorns

Our Canadian Champions Boston, 1907

won in the open class at

Two Ribbons, (Three Entries).

Eggs, \$4 per 13. Ask for Mating List.

Mention this paper. W. A. GURNEY,

841 Lorne Ave. London, Canada.

12-6



1885—QUALITY : EGGS : CONSTITUTION—1906  
4000 S. and R. C. B. and W. Leghorns, W. Rocks  
and B. Wyandottes, W. Buff and Penciled Ply. Rocks  
and Hortons. Range-raised on 300 acres. Every bird a  
Prize Winner, or the son/daughter of a prize winner. No  
County-Fair Records—186 Firsts, 68 Gold Specials, 12  
Silver Cups, won at New York, Boston and Washington,  
shows the quality of blood we are breeding, which has for  
years, and is to-day, producing prize-winning specimens in  
all sections of this country and many parts of Europe. "Like  
begets like." Catalogue. Satisfaction guaranteed.  
J. FORSYTH, Owner. Owego, Tioga County, N. Y.



## Poultry Magazine,



Monthly, 50 to 100 pages, its writers are the most successful Poultrymen and women in the United States. It is **THE POULTRY TRIBUNE**, nicely illustrated, brimful each month of information on How to Care for Fowls and Make the Most Money With them. In fact so good you can't afford to be without it. Price, 50 cents per year. Send at once for free sample and **SPECIAL OFFER TO YOU.**

R. R. FISHER, Pub., Box 83, Freeport, Ill.

## Don't Blame the Hen

for being a poor layer unless you know it's her fault. Often the food is wrong. Grains contain only a part of the egg-making materials,

### Rust's Egg Producer

contains the rest and in the right proportions so that every particle is used. One user writes: "Its use quickly doubled egg production." Its results are unequalled. Prices 14c to 25c per lb. according to size of package. Ask your dealer. Rust's Egg Record and useful booklet on poultry keeping free. Write.

**WILLIAM RUST & SONS,**  
Dept. N, New Brunswick, N. J.

### Scientific Rat Exterminator

NOT A POISON

The Pasteur Vaccine Co. Rat Virus is distributed on bait and causes a contagious and mortal disease characteristic to rodents. Both the virus and disease are harmless to domestic animals, pets, game, poultry and man. No odors. Monrat-Gelatin Culture \$1 and 75c tube Ratite-Bouillon \$1.50, \$1, 75c bottle. If not obtainable from your dealer order of us.

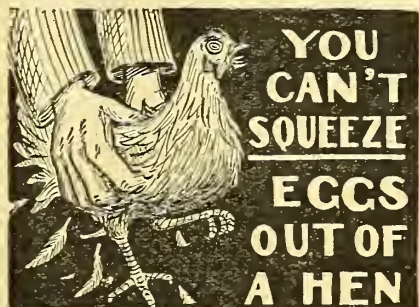
**PASTEUR VACCINE CO., Ltd.**  
Sole Concessionaries of America, Pacific Biological Products  
Paris, 7 Rue Meyerbeer  
New York 366-S W. 11th St. Chicago 441-S Wabash Av.  
ADDRESS DEPT. E

## \$500

Cash or Time  
Buys a  
**FARM**  
In Virginia

With cozy new 3-room cottage like cut, and 25 acres for poultry, fruit and vegetables. Only two miles from the live town of Waverly, on N. & W. Ry., midway between Norfolk and Richmond. Delightful climate, abundant water, unexcelled markets for produce. Splendid social advantages. "Go South—Young Man!" Write today for Booklets, lists of bargains in farms, lowest excursion rates, etc.

F. H. LaBaume, Norfolk & Western Ry. Box MN Roanoke, Va.



**YOU CAN'T SQUEEZE EGGS OUT OF A HEN**

But, you can make a hen lay by stimulating her egg producing organs.

### "HOMEOPATHIC" EGG PRODUCER

will make a hen lay whether she wants to or not. Never fails. Administered in the drinking water. Price 50 cents per package of 100 tablets, postpaid.

Send for free poultry book "The Life Saver." Dept. 1

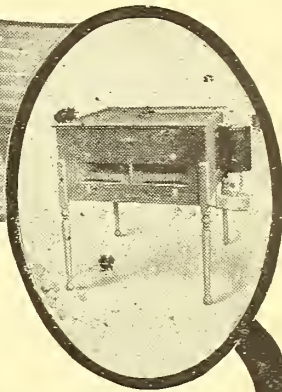
**CUGLEY & MULLEN**  
1239 Market St., Phila., Pa.

## Going Fast! U. R. Fishel's White Rocks At Special Sale Prices

It is gratifying, I assure you, to see how breeders everywhere appreciate my Special Sales. The Birds listed this year are going fast, and it seems to me if you want poultry for pleasure or profit you should have a copy of my Special Sale List.

are fowls that suit everybody. If you want business birds I have them in any size flock you desire. If you want to win those coveted Prizes at your County or State Fair I can furnish you birds that will do the trick nicely. The birds I am offering are bargains never equaled by any breeder. Send for my Special List. It is FREE. If you care to see my 48-Page Catalogue, send three two-cent stamps please. This Catalogue is worth dollars to any one interested in Poultry. I am pleased to say the U. R. Fishel White Plymouth Rocks are better this season than ever, and will continue to be "THE BEST IN THE WORLD."

U. R. FISHEL, Box F, HOPE, IND.



# MODEL

## Incubators and Brooders.

Spring is here! No more time for hesitancy now! You **must** have a Model to get out those early-laying pullets. Every week you delay lessens your possible profits.

Perfect Model hatchers are tested, crated and ready for shipment to you. They are the 1907 Models. They are just like the earlier Models, except for an increase in capacity. The Models are not experimental machines, tried in the summer when any machine will hatch, at a time when no poultryman wants to use a hatcher. Models have been tried in every season, in every part of the world. Models hatch a strong and vigorous chick from every hatchable egg. Models are used exclusively on the real money-making poultry farms.

Every detail of an incubator is important to its success as a hatcher. Every detail of the Model is scientifically and practically correct. The most important detail is the acting principle of the regulator—the thermostat. The Compound Model Thermostat gives twice the movement of a single thermostat. I own the exclusive rights to this thermostat, and it **can not now be had** in any other machine. It is the most accurate and the most sensitive in use.

You have always heard that the Model was the best incubator. You have thought that the price was high. Consider these prices, with the capacity, and compare with the prices asked for boxes that are built to look like incubators:

No. 0, 80-egg size, \$14.00	No. 2, 250-egg size, \$29.00
No. 1, 150-egg size, \$20.00	No. 3, 360-egg size, \$37.00

These are the prices for incubators that hatch chickens. Nobody can build an incubator for any less, because no one can build a real hatcher any cheaper than I can; and no one will sell you on a closer margin of profit.

The prices are right. The profits to me are small, I make the profits on the volume of my business. Every year my sales double. Every Model sold sells another.

The prices are the same to you and to your neighbor. They are not marked up for the purpose of permitting discounts. They are exactly what the incubators are worth. The price covers the freight, except on distant shipments.

The Model is fully guaranteed. Try it, and if it does not suit you, send it back, and your money is waiting for you.

The Model Catalogue describes these real hatchers. I will send you also a report book, showing that the Model Incubator hatches more and stronger chicks at agricultural stations; on the biggest money-making poultry plants in the world; for small poultrymen; for fanciers; and for amateurs who never saw an incubator until they successfully operated the Model.

If you have not time to wait for the catalogue and the report book, order direct from this advertisement. You will receive the same careful attention and prompt shipment.

I believe in the poultry business and I have shown my belief. Four years ago I left the Cypress Incubator Company with scarcely a dollar. My only asset was your confidence in me, based on the fact that I had always given you a square deal. The profit on the immense volume of business you have given me in the last three years has gone into the big Model Farm.

I know the poultry business, and have proven my knowledge. I have made the Model Farm pay running expenses and show a profit in six months. Such a thing has never before been done on so large a scale. I can help you to the same results on your plant, whether it is large or small. When you buy the Model Equipment, you buy a claim on my time, and I will stay with you until your plant is a success. You want the Model hatchers for a successful year. Send in your order for a real hatcher at the right price and have your incubator in time for big results this year.

**CHAS. A. GYPHERS**

**316, Henry St. Buffalo, N. Y.**



## BARRED PLYMOUTH ROCKS

The large, shapely, clear barred kind

## WHITE WYANDOTTES

The blocky, snow-white kind (not brassy)

We have bred them since 1890. Always winners wherever shown. "None but the best" is our motto. Eggs from carefully selected matings \$2 per 13, \$5 per 40. From our utility pens \$6 per 100. Satisfaction guaranteed.

**WILLIAM H. CYPHERS, Prop.**

Crystal Poultry Farm

Route 1, Washington, N. J.

12-8

## World's Greatest Layers!

America's Best "Utility and Beauty" Strain.

## Barred Plymouth Rocks.

The strain that has won recognition on its merits and has grown in demand by leaps and bounds, possessing the finest reproducing blood in the country, that has been built up by years of careful and proper selection.

Bred since 1896 for vigorous constitutions that can stand the strain and produce the greatest number of large, brown eggs and also win you the highest "honors" in the "Show Room," as letters from my patrons prove. Eggs for hatching, \$2 for 15; \$5 per 45. Satisfaction guaranteed. Circular

**D. D. MARVELL**

Woodbury Heights, N. J.

12-6

## RAISING CHICKS

Your success with chickens is measured by the way you feed and take care of them. I can help you to get the best results. I have the right foods—Chick Manns, 'Vigor' Foods, Cyphers' Incubators and Brooders, and whatever else you need. Write for my free Illustrated Poultry Supply Book that tells about the best supplies of every sort. Tell me your problems and let me help you.

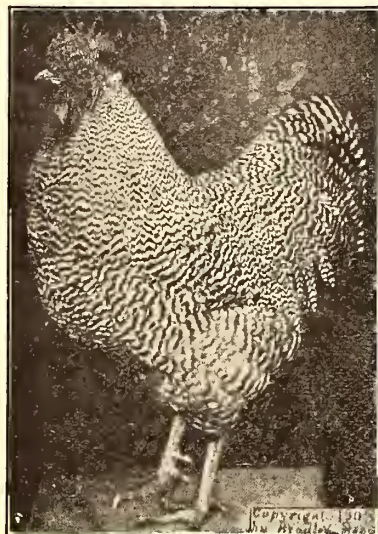
**Stokes' Seed Store,**  
Walter P. Stokes, of the late firm  
of Johnson & Stokes,  
219 Market Street  
Philadelphia

## World's Record for Eighteen Years

## WIN

### Bradley Bros.' Barred Plymouth Rocks

At Madison Square Garden, New York, the Last Eighteen Years



BIRDS WE BRED AND  
RAISED HAVE WON

33 1/2% More first prizes total than any other exhibitor has won on any stock.  
25% More first prizes on pens than any other exhibitor has won on any stock.  
1 1/2% More first prizes on cockerels than any other exhibitor has won on any stock.  
1 1/2% More first prizes on males than any other exhibitor has won on males not our breeding.

### Our Lee Belles Are New York Winners

Among the many New York Show winners of this line worthy of especial mention are first and second pullets, 1901; first, second, and third pullets, 1902; first pen pullets, 1900, 1902, 1904, etc.; first hen, 1901, first and second hens, 1907. (We state this by permission).

### 1,000 BIRDS FOR SALE

Winners and Birds bred from Winners  
SPECIAL PRICES ON LARGE LOTS

Forty-eight Winning Males at New York Shows have been bred by us the last eighteen years.

We bred and raised more high-grade exhibition B. P. Rocks the past eighteen years, probably, than any other breeder in the world.

The last eight years 39 birds bred by us have sold for \$100 or more each, or that price refused.

### BRADLEY BROS.

Dear Sirs: Have won first on pullet at Georgetown, Ohio. Have also won on pullets sired by the bird I bought of you all the prizes offered at four other shows in Kentucky and Ohio this fall. Pullet bred cockerels from the bird I bought of you are the nicest lot I ever saw.—Geo. B. Kinney, Brooksville, Ky.  
October, 1906.

### BRADLEY BROS.

Dear Sirs: It may interest you to know what results I am having with stock and eggs you have sent me. At the Ohio State Fair at Columbus, I won cock 1st, cockerels 1st and 2d. The cock was hatched from eggs from "S 4," and the cockerels from trio you sent me. Did not show any females.—Leigh Bickett, Xema, Ohio.  
October, 1906.

Write for Large Circular and Particulars of \$1,000 Chick Hatched from Our Eggs. Both Sent Free.

**BRADLEY BROS.**

**Box 900**

**Lee, Mass.**

Here's the best \$6 brooder you ever saw! Built of good lumber, painted with good oil paint and fitted with a splendid heating system—it is guaranteed to please you in every way.

### STAR INCUBATORS AND BROODERS

are the kind that make poultry raising profitable. They have earned a reputation and created a demand that keeps us busy. The Star 50-Egg Incubator—none better built—for \$7 is the greatest incubator bargain offered—no use to pay more. Order one today. If you are not pleased, if it don't hatch as many chicks as any 50 egg machine in the land, send it back and get your money back. That is fair and square. You'll like the Stars and they'll make money for you. Our new free catalog tells how they are built and how they operate. Write.

Star Incubator Co.  
608 Church St., Bound Brook, N. J.

Give me Darling's Chick Feed and I can raise 95 per cent of all the little chicks I can hatch. I have proved this.

**JAMES GAGE,**  
Elgin, Texas.

## What % of Chicks Hatched Do You Raise

It is no trouble to hatch chicks. All the trouble lies in the raising. To see them dying by scores and hundreds is the distressing feature of the poultry business.

They die of bowel trouble, of sleepy disease and other causes. But as a matter of fact, the cause of these complaints, and the real cause of the enormous death rate, is improper feeding.

No question about it—90% of all the deaths among little chicks is due to improper feeding.

The real need among poultrymen is for right ideas as to what the weak, unused stomachs of little chicks will stand, and what must go into them to save their lives.

## DARLING'S CHICK FEED

Gives Poultry Raisers a Feed That is Adapted to Little Chicks' Needs.

It is a scientifically balanced food, composed only of selected seeds and grains, only those that are adapted to the chick's needs being used. They are properly screened and cleaned and reduced to the proper size.

You want a feed that the chicks can digest. There is no trouble about their digesting and assimilating Darling's Chick Feed.

When you buy Darling's Chick Feed you are not getting the sweepings or waste from some mill.

We are not in the milling business and we are not making breakfast foods. It is not a by-product from any manufactured article, but prepared specially and solely for feeding little chicks.

It procures a rapid growth, gives a good, strong framework, and makes larger and better market fowls and laying hens.

It starts chicks right and insures uninterrupted growth, good health and earliest maturity.

Your order is solicited on a trial shipment. With the results it gives, you will find it the cheapest chick food you can buy.

Price \$2.50 per 100-lb. Bag, F. O. B. Cars, Chicago or New York. Cash with order.

### DARLING'S 100-LB. BAG LINE

Chick Feed, \$2.50; Laying Food, \$2.00; Scratching Food, \$2.00; Beef Scraps, \$2.50; Forcing Food, \$2.00; Oyster Shells, 60c; Mica Crystal Grit, 65c.

Shipments made from Chicago or New York. Prices f. o. b. cars. Cash with order.

Our catalog gives particulars on feeds and feeding and lists a full line of up-to-date supplies. Write for copy.

**Darling & Company, Box 55, Long Island City, New York., Box 55, Union Stock Yards, Chicago.**

## WHERE THE PROFIT GOES

If your hens are lousy they may pay for their keep, but the chances are the profit goes to the louse. Lambert's Death to Lice Powder will change it. Sprinkle it on from the shaker top can. A few applications will suffice. Then spray the roosts with Lambert's Death to Lice Liquid. You will see the effect in three minutes. Poultry won't pay unless kept clean and free of vermin. Alexandria, Ind., April 7, 1905.

Dear Sir:—I find your remedies the best I ever used and could not raise chickens without them.

**MRS. A. D. SHIPP.**  
Begin today. Order a sample lot and you will thank us for showing you. 100 oz. package for \$1.00; sample mailed postpaid 10c. Sold by all live dealers.

**THE O. K. STOCK FOOD CO.,**  
621 Monon Bldg., Chicago, Ill.



## "Profits in Poultry Keeping Solved"

Title of my new book which is revolutionizing the poultry business all over the country. My great feed at 10c per bushel will save you \$25 on every 100 hens you feed a year as well as increase your egg yield over 30 per cent. Nothing like it ever discovered for producing winter eggs and fertile eggs. For growing chicks it has no equal. No mashes or cooking feed under this great system. Broilers go 1½ to 1½ pounds in seven weeks on it. No science required to feed my system. Failure impossible. Start right. Circular and testimonials free. Write to-day and stop that big feed bill.

**EDGAR BRIGGS**  
BOX 77, NEW ROCHELLE, N. Y.

## NEW YORK AND BOSTON WINNERS

S. C. Rhode Island Reds

Indian Runner and Rouen Ducks

On Indian Runner at New York won 1st duck, 1st drake and 1st pen. At Boston, 1st drake old and young, 1st duck old and young, and 1st pen. At New York on Rouens 3d pen, 5th duck, and 5th drake. At Boston, 2d drake, 3d duck, old and young. On Rhode Island Reds at New York in keenest competition 4th cock and 4th cockerel. At Boston, cock bird highly commended, hen highly commended, cockerel second and V. H. C. in very large classes. We have about fifteen hundred birds to select from. Write for circular, which is free

**WHITE BIRCH POULTRY FARM**

Box F, Union Street, Bridgewater, Mass.

W. H. Withington Mgr.

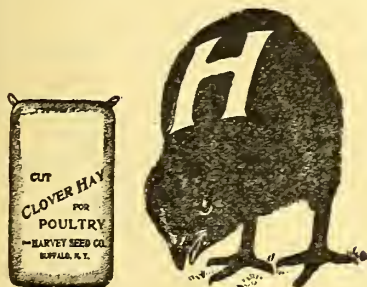
## The Proper Way to make Poultry Pay

Intelligent feeding is of great importance in securing large profits from poultry. To do well, fowls need food elements which nourish the body, keep the system active and provide egg-making and flesh-forming material.

One of the most excellent foods in this line, and which is a pronounced success especially in cold weather when green feed is scarce, and gives excellent satisfaction is

## Harvey's Cut Alfalfa Hay

It supplies fowls with the same food properties contained in the green feed, of which they are so fond. It furnishes the elements necessary for egg-production and digestion; makes bone and muscle and produces strong, vigorous fowls. A mash made of Harvey's Electric Poultry Food and Cut Alfalfa Hay is a splendid egg-producer. It's a profit-maker, for it makes fowls thrive, and is well suited to all kinds of poultry.



Send your name and address and receive a

**Free Sample**

of Harvey's Cut Alfalfa Hay; also our Free Catalog; we can save you money on all kinds of poultry supplies. Write today.

HARVEY SEED CO.  
705 Ellicott Street,  
BUFFALO, N. Y.

## BEGINNERS IN POULTRY KEEPING AND OLD HANDS AT THE BUSINESS ALL ARE SUCCESSFUL WITH



GUARANTEED  
BEST HATCHER

## CYPHERS INCUBATORS AND BROODERS

Again This Year Proved Their Worth by Hatching

Winners at  
New York, Boston, Chicago, 1907

THESE MACHINES ARE

Most Simple to Operate  
Patented, Self-Regulating, Non-Moisture  
and Self-Ventilating

They are Guaranteed to

Hatch More and Stronger Chicks Than Any Other

## THIS ANSWERS THE QUESTION—"WHICH INCUBATOR SHALL I BUY?"

**NEW YORK WINNERS**—Bristol, Conn., Jan. 28th, 1907. "All my winners in young stock (Partridge Cochins) at Madison Square Garden Show, this month, were Hatched in Cyphers Incubators. These winnings embraced the following: 1st, 2nd, 3rd and 4th Cockerels, and 1st, 2nd, 3rd and 4th on White Cochins Cockerels, and 1st, 2nd, 3rd and 4th on White Cochins Pullets."

GEO. W. MITCHELL.

**NEW YORK WINNERS**—Ossining, N. Y., Jan. 29th, 1907. "Our First Prize White Wyandotte Cockerel at Madison Square Garden show, January 1-5, also the Pullets in our Second Prize pen of White Wyandottes; the Pullets in our Fifth pen of Plymouth Rocks; our 1st, 2nd and 3rd Cockerels and 1st, 2nd and 3rd Pullets and all birds in our Second Prize pen of Silver Pencilled Plymouth Rocks were Hatched in Standard Cyphers Incubators and raised in Cyphers Brooders."

ROCK HILL POULTRY FARM,  
F. W. Corey, Manager.

**NEW YORK WINNERS**—Berlin, Conn., Feb. 9th, 1907. "The 2nd S. C. Buff Cockerel, also the Buff Cockerel at the head of the Third Pen, and several Pullets in Third Pen; also my 5th S. C. Black Cockerel were all Hatched in Cyphers Incubators."

WILLOW BROOK FARM,  
W. L. Davis, Prop.

**BOSTON AND NEW YORK WINNERS**—Hartford, Conn., Feb. 5th, 1907. "My 1st and Champion White Wyandotte Pullet at New York Show, January 1-5, 1907, was Hatched in your Incubator, as was also my First Prize S. C. White Leghorn Cockerel at New York; also winning 1st and Specials at Boston two weeks later; also two of the Pullets in my First Prize Pen S. C. White Leghorns at same exhibit."

F. O. GROESBECK,  
Prop. Elm Poultry Yards.

**BOSTON WINNERS**—Hartford, Conn., Jan. 28th, 1907. "My 1st and 2nd Prize Rose Comb Rhode Island Red Cockerels at the Boston show, January 15-19, 1907; also the First Prize Pullet were Hatched in a Cyphers Incubator."

ROBERT C. TUTTLE.

**BOSTON AND NEW YORK WINNERS**—Raceville, N. Y., Feb. 6th, 1907. "My winnings on Rose Comb Black Minorcas which were Hatched in the Cyphers Machine, are—1st, 2nd and 3rd Hen; 2nd and 4th Cockerel; 2nd Pullet, and three of the birds in my 1st Prize Breeding Pen at Madison Square Garden; also my 1st, 2nd and 3rd Hen; 1st Cockerel; and the Cockerel which headed my 1st Prize Breeding Pen at Boston, January, 1907. Also, the R. C. Black Minorca Cock recently sold to Lloyd Mishler, North Manchester, Ind., which won 1st at Madison Square Garden and 1st at Boston in 1906 as Cockerel."

GEO. H. NORTHUP.

**CHICAGO WINNERS**—Yorkville, Ill., Feb. 2nd, 1907. "At the late Chicago show we won on Barred Plymouth Rocks—1st, 3rd Pullets; 1st Exhibition Pen; 2nd Hen; 5th Cock."

D. F. PALMER.

**CHICAGO WINNERS**—Washington, Ill., Feb. 4th, 1907. "In the Barred Plymouth Rock class 3rd Cock, two of the Pullets shown in the Open Class, two of those in the 2nd Pen, and two of those in the 3rd Pen at Chicago, 1907, were Hatched in a Cyphers Incubator."

O. P. BENNETT.

**CHICAGO WINNERS**—Hazelrigg, Ind., Jan. 30, 1907. "My First Prize Single Comb Buff Orpington Cockerel and Third Prize Single Comb Black Orpington Cock at Chicago Show, January 23-30, 1907, were Hatched in my Cyphers Incubator."

C. S. BYERS.

## CYPHERS Scientifically Balanced CHICK FOOD

The Reason Why Cyphers Poultry Foods are so Generally used by Leading Poultrymen is because they Give Value for Value and are Unequalled in Results. This is shown by the large number of Exhibitors who Use Nothing but Cyphers Foods and Consequently win at the Big Shows. It is easy to realize Why, when you know that we are so careful to have our Foods delivered to the customer unadulterated that we put them up in Sealed Bags and advise customers to refuse them if the Seal is Broken. WE GUARANTEE that no Screenings or Weed Seeds are used in our Foods. Nothing but Health-giving, Strengthening, Pure Grains Scientifically Balanced by our experts to Form Flesh and Feather. Sold by 2,500 Dealers and at all our Branches. Ask for it and accept no other. Compare it (the Food in the Sacks—Not Small Samples) with other Foods and judge of its Value.

CYPHERS LAYING FOOD  
CYPHERS FORCING FOOD  
CYPHERS CHICK FOOD  
CYPHERS MEALD ALFALFA

**Sold in Sealed Bags**

CYPHERS SCRATCHING FOOD  
CYPHERS DEVELOPING FOOD  
CYPHERS SHREDDED ALFALFA  
CYPHERS SHORT-CUT ALFALFA

Write For Free Illustrated Catalogue of 260 pages, entitled "How to Make Money With Poultry and Incubators." It's a big one. We pay postage. It contains six of the most valuable chapters ever published on Poultry. Chap. I.—Magnitude of the Poultry and Egg Industry; Chap. II.—Review of Our Great Poultry Markets; Chap. III.—Profit-Making Broilers, Roasters and Capons; Chap. IV.—The Profitable Pekin Market Duck; Chap. V.—Successful Chick Rearing; Chap. VI.—Profitable Egg Farming. Also photographs of Successful Poultry Plants, both Fancy and Commercial; Photographs of Government Experiment Station Experts, America's Foremost Exhibitors, Owners and Managers—their Poultry and Duck Houses, Incubator Cellars and Brooding Houses; Our Complete Line of Incubators, Brooders, Poultry Houses and Supplies. If in return for this book, you will send us the names and addresses of two acquaintances who keep poultry, we will consider it a favor. Address nearest office.

## CYPHERS INCUBATOR COMPANY

HOME OFFICES & FACTORY, BUFFALO, N. Y.

BRANCH HOUSES: 21-23 BARCLAY ST., NEW YORK, N. Y.; 310 FIFTH AVE., CHICAGO, ILL.; 26-30 UNION STREET, BOSTON, MASS.; 2325 BROADWAY, KANSAS CITY, MO.; 701 LINDEN ST., OAKLAND, CAL.; 119-125 FINCHBURY PAVEMENT, LONDON, ENG.





## CHAMBERLAIN'S PERFECT CHICK FEED

Hen Feed,  
Mash Egg Feed,

Ever Green Clover  
Meal, and Pigeon Feed

The Standard Poultry Supplies of the World. The ONLY Original Dry Chick Feed.  
Sold Everywhere. Please write for prices and name of nearest Agent.  
W. F. CHAMBERLAIN, (The Perfect Chick Feed Man.) ST. LOUIS, MO.



### FIDELITY POULTRY FOODS

Food "A" makes chicks strong, sturdy, vigorous; food "B" contains egg making ingredients that heap up the egg-basket; food "C" fattens fowls to get top-notch market prices. Feed them. Catalog free. Agents wanted.  
Pineland Incubator Co., Box 14, Jamesburg, N. J.

## Amatite ROOFING NEEDS NO PAINT

DO YOU USE A ROOFING THAT  
REQUIRES PAINTING AND COATING?

If so, do you realize that the coating and painting will probably cost as much, if not more, than the first cost of the roof itself?

When you buy a roofing that has to be coated, you must consider the cost of maintenance as well as the first cost. If you do this, you will find



that coated roofings cost you just about twice the original cost.

If you try to save money by not coating such roofs they will soon leak and rot away.

The best way out of the difficulty is to buy a roofing that requires no coating, such as Amatite. This Ready Roofing has a special mineral surface which makes painting entirely unnecessary. The first cost of Amatite is the whole cost.

After it is once laid on the roof it costs you nothing to keep up.

Furthermore, the price of Amatite in the first place is less than that of almost any other ready roofing. It is by far the lowest priced of the good ready roofings.

When you get prices don't forget to count in the cost of putting on paint every year, and you will be sure to come back to Amatite as the cheapest and best.

### FREE SAMPLE

Let us send you at once a SAMPLE of AMATITE and a Booklet of information about it. We want you to see how much better it is than the kind that has to be painted.

Address nearest office of the

**BARRETT MANUFACTURING CO.,**

New York, Chicago, Cincinnati, Cleveland, Philadelphia, Minneapolis,  
Kansas City, St. Louis, Boston, New Orleans, Allegheny.



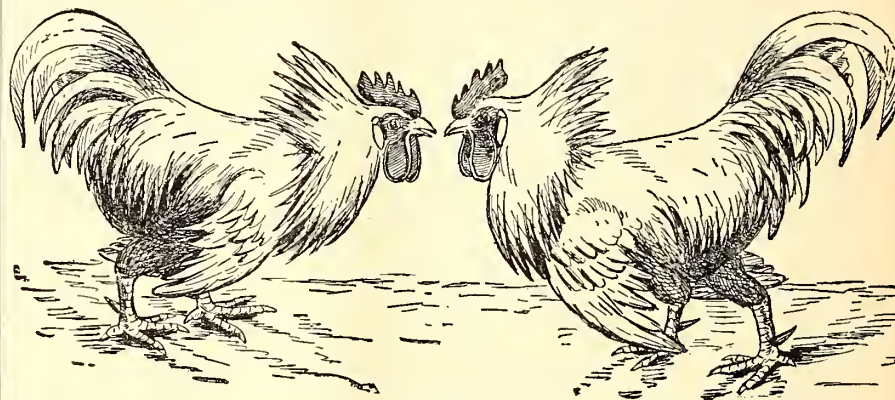
## COLUMBIAN WYANDOTTES

At Madison Square Garden, 1907, we won more regular and special prizes than any other exhibitor, again winning the Club Championship Cup for best collection, the President's Cup for best cock, hen, cockerel and pullet, President's Cup for male having best hackle, President's Cup for female having best wing, Gold Special for four best cocks, Gold Special for four best hens, Gold Special for four best cockerels.

A Fine Lot of Birds for Sale. Eggs, \$10 and \$5 per 15  
The Wise Order Early.

**AUG. D. ARNOLD**

Box H, DILLSBURG, PA.



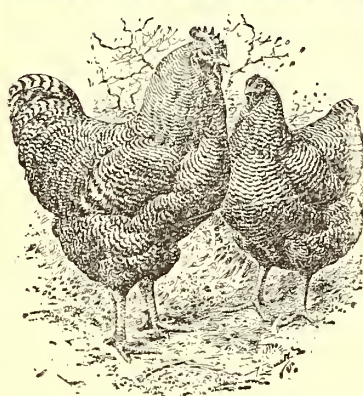
## GRIT

NATURE has not furnished birds with teeth, but it has furnished them with gizzard mills, which must be provided with grit. **Mico Spar Cubical Poultry Grit** contains the right proportions of sodium, aluminum, magnesium, lime and iron, and does the work. Given to poultry with their food it promotes their health and growth, and causes the hens to become money makers. This grit may be bought of leading poultry supply houses. If you are in doubt as to its value, write and let us send you some of our many testimonials from the largest dealers and poultrymen in this and other countries. Samples FREE upon application.

**INTERNATIONAL MINERAL CO.**

New Haven, Conn.

12-6



## Do You Know Hummel?

IF NOT, you had better get acquainted. I have my breeding pens all mated up and can now fill your egg orders. My breeding birds score from 90 to 96 points. I have been very particular in selecting male birds for breeding purposes this season, every bird is strong and vigorous. By my method of packing eggs I am able to ship them any where with good results to purchaser, and guarantee safe arrival of eggs at your nearest express office at the lowest possible rate. You can order your eggs direct from this advertisement.

Handsome 1907 Catalogue Free

### EGGS

All Varieties in this Column  
\$1.50 per 13.  
2.50 per 26.  
5.00 per 65.

Barred Plymouth Rocks,  
White Plymouth Rocks,  
Buff Rocks,  
Light Brahmas,  
White Wyandottes,  
Buff Wyandottes,  
Golden Wyandottes,  
Silver-laced Wyandottes,  
Buff Cochins,  
Partridge Cochins,  
Black Langshans,  
S. S. Hamburgs,  
Rose-combed Br. Leghorns,  
R. C. White Leghorns,  
S. C. Brown Leghorns,  
S. C. White Leghorns,  
S. C. Buff Leghorns,  
S. C. Black Minorcas,  
American Dominiques,  
Golden Sebright Bantams.

### EGGS

All Varieties in this Column  
\$1.75 per 13.  
3.00 per 26.  
6.00 per 65.

White Cochins,  
White Langshans,  
Cornish Indian Games,  
Black-breasted Red Games,  
Houdans,  
Black Javas,  
S. C. White Minorcas,  
R. C. Black Minorcas,  
Buff Orpingtons,  
S. C. Rhode Island Reds,  
Buckeye Reds,  
Golden Polish,  
W. F. Black Spanish,  
Buff Cochins Bantams.

Mammoth Bronze Turkeys,  
White Holland Turkeys,  
Toulouse Geese.

### EGGS

All Varieties in this Column  
\$2.00 per 13.  
\$3.50 per 26.  
\$7.00 per 65.

Pea Comh Barred Rocks,  
Dark Brahmas,  
Blue Andalusians,  
Rose Comh Rhode Island Reds,  
Red Caps,  
White Crested Black Polish,  
Silver Polish,  
Black Tailed Jap Bantams.

Pekin Ducks, \$1.50 per 11.  
Rouen Ducks, \$2.50 per 22.

One setting, \$2.50.  
Two settings, \$4.50.

Hummel's Insect Powder. The best in the world.

Price list free. All correspondence receives prompt and never dealt with me, I want your orders this season, and

**S. A. HUMMEL, Box 38, Freeport, Ill.**

personal attention. If you have will endeavor to treat you right and hold your patronage.

## What is the Verdict?

What conclusion would you reach regarding a book, if Agricultural Colleges, publishers, and all the leading poultry experts and authorities spoke of it in terms of highest praise? Everyone who has seen a copy of

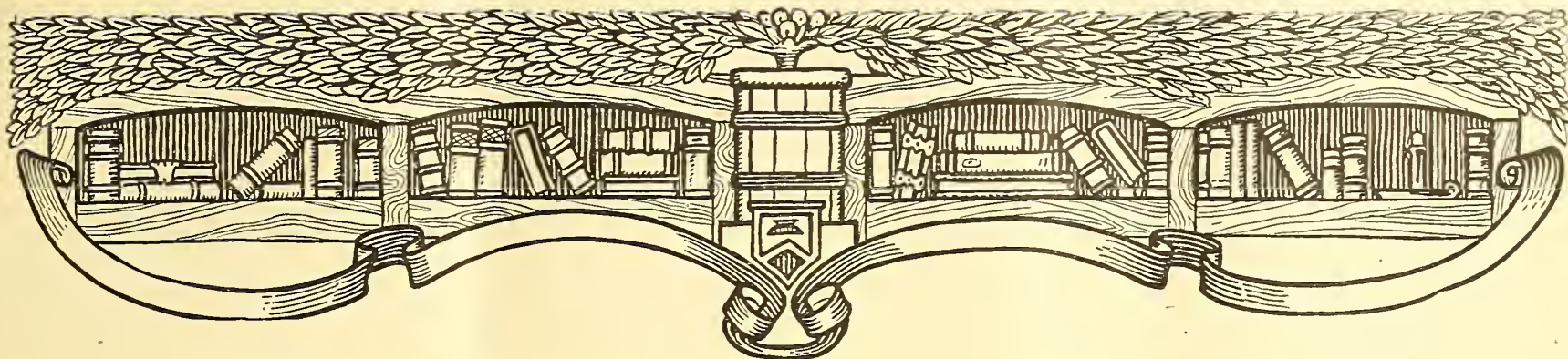
### "First Lessons in Poultry Keeping"

concedes that it is unquestionably the most thorough, systematic and practical work ever published. The always valuable subjects of Feeding, Hatching, Breeding, House Plans and Construction, Fixtures, Fattening, Fitting for Exhibition, Killing, Dressing, Marketing, etc., etc., are written up plainly, interestingly, instructively. One significant fact is its adoption as a text book by some of the leading Colleges; another, that it is in its second large edition. The price is 50 cents per copy, but for a limited period is being made a

**SPECIAL OFFER** of Farm-Poultry one year and the book **ONLY 75 CTS.**

FARM-POULTRY is the great twice-a-month, 50 cents-per-year National poultry paper, in which the celebrated "Lessons" are being continued. Your verdict will be that this is the grandest offer ever made. Send order and remittance to **FARM-POULTRY PUBLISHING CO., Boston, Mass.**





## Cover Illustrations

# SHOP TALK

## To Our Friends



FOR DECEMBER we had a beautiful Brahma for our frontispiece; for January, a pair of White Wyandottes; February we presented the pair of Buff Plymouth Rocks. With this issue we give an illustration of a perfect White Leghorn pullet. These covers have been pronounced beautiful works of art. As handsome as they may be, we still hope to improve.

The illustrations used in the squab article published this month were sent us by Elmer C. Rice, of the Plymouth Rock Squab Company, Boston. They represent the plant of Messrs. B. W. and George F. Lunn, whose success is told in the article. Other illustrations used this month were gathered from many places, some of them coming from as far away as England. All of these are collected and published in the hope of illustrating some valuable points that may be profitable to our readers. The illustration of the Rhode Island Reds represents the fowls of Mr. Ira M. Crowthers, one of our advertisers.

## February Issue

The growth of THE FEATHER has been onward and upward continually from the first issue to the present one. What could have been more attractive than the February issue, containing as it did the most complete report of the leading January shows, information relative to the meeting of the American Poultry Association, and articles of unusual interest in the illustrated middle section of the paper, which showed a collection of beautiful and attractive things from all sections of the globe. The February issue contained the third of a series of articles of interest from abroad. First, we told of European squab growers, since which time the Carneau pigeon has become prevalent in many localities. Following this, the Sussex fowl, and in February a full account of the new Campine. In addition to these we had an illustrated article on the Buckeye.

## This Month

This month we have an illustrated article on Poultry and Fruit, a companion to one published a year ago on the same subject. In addition to these, is the beautifully illustrated article on caring for the chicks, and the article belonging to the series of Science of Breeding, under the heading of "Barring, Lacing and Pen-

ciling Compared." This is very interestingly illustrated with photographs of beautiful open-laced Wyandottes. Besides these we told of so many interesting things that each and every one of our readers must find matters of interest to them.

## Next Month

Next month we shall tell and illustrate the care of the young chick with the mother hen. In addition to this, we shall have a beautifully illustrated article on Bantams. All those interested in Bantams should take advantage of this and send in their advertisements to appear in the April Number. Also, we hope to present for your consideration a beautifully illustrated article on Water-fowl. This forms an almost endless chain of interesting matter, up to and including the April issue. We shall hope to announce in our April number an extended list of what may be looked for during the summer months, as it is our intention to attempt furnishing most interesting reading through the summer months, having in view the enlivening of the interest in poultry during what is termed the dull period.

## Our Books

Do not overlook the list of books published by us that are presented each month. Among these will be found a book for every poultry and pigeon fancier. One of these books will fit every branch of poultry and pigeon growing. All of them form a most complete and valuable library for poultrymen. Every one should have a copy of "Diseases of Poultry." No one should be without this, as it tells how to get rid of, also how to prevent almost every disease known to poultry.

## The New Book

"The Perfected Poultry of America" is the name of our new book. This book has been carefully prepared by the authors and illustrated by the artist for the special benefit of every one in the world who may be interested to a greater or less extent in poultry. The illustrations give the type and general characteristics of each and every kind of fowl that has become perfected in America. In all parti-colored, barred, broken-colored, and in fact, all kinds that have more than

one color, the feather section is illustrated. All solid fowls are shown in pairs. There is over one hundred full page illustrations in this book. In addition to these, numerous small illustrations to show special features will be used. The book will contain about two hundred and fifty to three hundred pages. The text matter will tell of the history, breed characteristics, shape and color of each breed and variety. This includes bantams, turkeys, ducks and geese as well as fowls.

## Help Us

For more than a year we have endeavored to place before our readers lifelike illustrations made direct from photographs taken in all localities. WON'T YOU HELP US IN THIS by sending attractive photographs to be made use of in the paper? We prefer groups of fowls old and young, mother hens with chicks, flocks at large, colonies and groups in poultry, turkeys, ducks or geese. The illustrations are samples of what others can do. Can not you lend your aid to the future better presentation of all kinds of fowls by sending to us a well-selected lot of photographs?

## Catalogues and Circulars

We have received during the month the following:

Circular, C. M. Baskerville, Mt. Pleasant, Mich.

Circular and catalogue, Dr. C. J. Andruss, Canadiagua, N. Y.

Catalogue, Chas. H. Nixon, Washington, N. J.

Catalogue, Geo. W. Hillson, Amenia, N. Y.

Circular, J. W. Andrews, Dover, N. J.

Circular, Fred. C. Lisk, Romulus, N. Y.

Circular, L. G. Broschkowsky, Reading, Pa.

Circular and catalogue, Pinetop Poultry Farm, Hartwood, N. Y.

Catalogue, Climax Incubator & Brooder Co., Castorland, N. Y.

Catalogue, Red Feather Farm, Warren, Ohio.

Circular, Rhode Island Red Club of America, E. C. Prickett, secretary, Hazardville, Conn.

Circular, National White Wyandotte Club, Ross Hallock, secretary, St. Louis, Mo.

Circular, S. G. Robinson, Jr., West Toledo, R. F. D. 2, Ohio.

If at any time we may have overlooked the mentioning of the names of those who send us photographs, we regret it very much. If you will call our attention to any omission we will be glad to mention your courtesy in supplying us with photos in the columns of our paper. We do not know that we have erred in this way; no complaints have been made, yet it may be possible that we have overlooked what would be to us a pleasure by thus failing to mention some one who has favored us.

## What Others Say

We give below a few testimonials that have recently come to hand, speaking in complimentary terms of the beauty and value of THE FEATHER. To those who have shown unusual interest in following the articles on Science of Breeding, we return thanks and suggest that they read carefully the two articles in this issue—the one on "Lacing, Barring and Penciling;" also the special articles of Silver-laced Wyandottes. For the benefit of those who may see THE FEATHER for the first time, we publish below a list of testimonials.

"I have re-read my copies of The Feather and have read several copies of poultry magazines and subscribed for a few others, but The Feather stands pre-eminent among them all. I can not say enough for our grand old paper. Only wish the editor would raise the price to \$1 and send paper semi-monthly or oftener. Wish the editor and manager a happy and prosperous New Year."—Jas. A. Gray.

"Enclosed you will find 50 cents for another year's subscription to The Feather. I have been a subscriber for a number of years and the "spell" will continue as long as you keep The Feather up to the present standard. When I first read The Feather I thought it one of the best poultry papers I knew of, and my good opinion of it has continued, because it is continually improving. Wishing The Feather much success, etc."—Rev. Chas. P. Kehl.

"Your publication has just been brought to my mind through an inquiry I received to-day for ducks, in answer to an ad that I was running in The Feather nearly three years ago. Since it has such everlasting advertising qualities, will see what it can do for our S. C. White Leghorns if you will send a sample copy and advertising rates."—Frank B. Hawkins, Birchwood Poultry Farm.



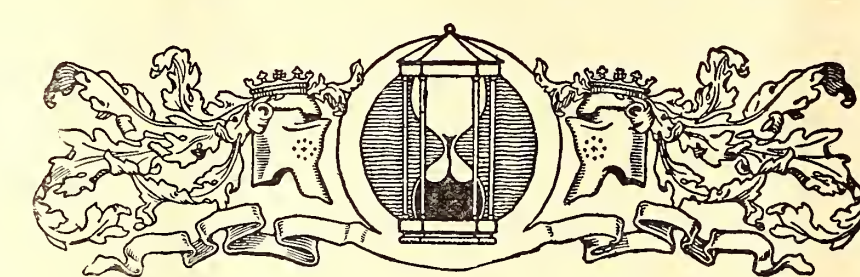
The winter show season has closed, recording the greatest success ever achieved. It has been estimated that nearly six hundred have been held from the beginning of November to the close of February throughout the United States and Canada. Twenty-seven were being held throughout the country during the second week in January.

It has been suggested that the poultry show season of America should be extended over a greater expanse of time. A continual show season from the beginning of November to the end of March has been suggested as being of advantage to the interests of poultry growing. In considering this, those most interested thought that more advantage could be gained from the New York, Boston, Chicago, Cincinnati, Cleveland, Philadelphia, and Washington Shows, providing more space elapsed between the dates of each. It has been suggested that one full week at least should intervene between each one of these shows, urging that holding two or three of these in one week was an injury to the exhibitors. Whether this be true or not, we are not able to say. We do, however, fully realize the disadvantages under which show managements and the cooping companies labor from the fact that so many show dates are forced into so short a space of time. We believe that if there could be a meeting at an early date of the secretaries or the managers of all these leading shows at some central point, and the whole matter considered from the standpoint of gaining the greatest advantage for every one, some feasible plan might be formed. We doubt, however, whether such results will be obtained in any other way.

A short time ago we were favored with a call from Mr. John T. Stinson, Agricultural Agent of the Missouri Pacific Railroad Company, from St. Louis, south. We had a pleasant chat with him relative to the traveling poultry exhibit, which had recently gone over the lines of their railroad. He told us that over fifteen thousand people had visited the cars; that they had shown wonderful interest relative to same, and that we were soon to receive some written reports from the people who visited the cars. Mr. Stinson is to be congratulated for having started a work of this character, which is sure to reflect great benefit to the poultry interest of Missouri and the great southwest.

In every locality where poultry shows, fall fair poultry exhibits, or poultry lectures are given, a greater interest in poultry follows in that locality. Wherever people have the best education, the best knowledge in growing and caring for poultry, the greatest success is gained. Better crops of all kinds come as a result of a better knowledge in caring for them. This same is true of all kinds of livestock. Nothing improves so much as poultry and squab-growing under proper care and management.

For twelve months past we have made renewed efforts to give the most thorough information in the most attractive manner. Our attempt to have THE FEATHER the most attractive, the most instructive, the most sought after of all poultry journals has been rewarded beyond what we had thought might come within a year. This has encouraged us to make further efforts. We have discovered that there is a remarkably large number of people



## THE FEATHER

Volume XII

MARCH, 1907

Number 6

GEO. E. HOWARD, Editor

T. F. MCGREW, Associate Editor

Single Copies, 5 cents.  
Subscription, 50 cents a Year in Advance.  
Foreign subscription, 75 cents a Year in Advance.  
Subscriptions in the District of Columbia, 75 cents a Year in Advance.  
ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

Entered at the post-office at Washington, D. C., as second-class matter.  
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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

more than interested in our line of journalism who would not be equally interested in others. This gives us a field very much to ourselves which has greatly improved in twelve months, the result of a careful cultivation. From now on, to the close of the summer season, we shall make strenuous efforts to assist our readers in growing better poultry than they have ever succeeded in gaining as a regard for labors expended along these lines; we shall tell of growing chicks artificially and with the mother hen; we shall describe the benefits of the several plans and methods that may be followed; we shall hope to add to the quality of the exhibition stock by lending our aid and advice to their proper cultivation. We are more than interested in having a large increased individual interest in the show room rather than to make more prominent the larger and long-continued exhibitors. The amateur, the beginner, the successful first exhibitors are the ones that can be helped into becoming the most successful fanciers. We shall pay more than passing attention to the future welfare of these.

Notwithstanding that we shall give so much attention to the exhibition poultry, we will not neglect the profitable side, the utility side, the side that makes the poultry interest of the land valuable. We shall do everything possible to aid and assist the producers of eggs and poultry for market. We have brought to their care and attention the great market fowls of England; we have held up to their inspection the many breeds and varieties of the world best suited to their interests. We have told how best to care for poultry for the production of eggs. We shall add more and more of interest to these departments, and under the head of Science of Breeding, we shall lead up to the possibilities of a large increased egg-yield, and the gaining of better market poultry.

As a fair sample of this, it was brought out in the Institute Meeting at Auburn some weeks ago that the visit of the Poultry Institute in many localities had proven

most beneficial to the growers of market poultry. At one point in northern New York, visited in 1901, the lecturers, five in number, were invited to visit the killing plant of that section of the country. At that time from eight to nine cents a pound was being paid for live poultry for killing. The people of that locality urged the return of the lecturers the following winter. At the close of the Institute the owners of the killing plant offered to pay the expense of an institute providing the workers would return there the following year. The result of one year's work in that locality raised the quality of the poultry to such an extent that the killing plant was glad to pay from eleven to fourteen cents per pound for the grades they had been killing. They said that if the result of one year's teaching of an institute in that locality would add one-third value in quality and price to the market poultry grown, they could well afford to pay the expense of an institute next winter, if for nothing more than to keep the people informed in the best methods of handling poultry, so that the quality would grow better and better all the time.

Some poultrymen might wonder at this, but the killers know better than all others that the better the grade, the more profit they can make in the open market, notwithstanding that they may be compelled to pay higher prices for live weight. The higher grades of dressed poultry will sell more readily at retail at from twenty-five to twenty-eight cents a pound than will the poorer grades at twelve and a half cents to fifteen. Any kind of dressed poultry that will grade A No. 1 always brings a profit to every one interested in handling and marketing same. The lower grades lose money. The sure profit in the best prompted these people to cultivate the return of the Poultry Institute to their neighborhood.

The same is true in all localities where the best of literature on these subjects is studied. Those who gain their information from the pen of writers qualified to write on the subject, are the successful

ones in producing eggs and poultry for market, and high-class specimens for the exhibition hall. Success in poultry growing of all kinds, including pigeons and squabs, is only assured to those who make a study of the proposition, the same as they must do of any other business to succeed

We have a communication from Mr. Lawrence Waring, of Norfolk, Va., in which he states that he shall personally have in charge an egg-laying contest to be held in connection with the Jamestown Exposition. He has had allotted to him sufficient ground of a proper character in which to carry on this egg-laying contest, and he seeks the cooperation and support of all admirers and breeders of the various kinds of poultry. A prize of five hundred dollars in gold will be awarded the pen making the best record, and a series of other valuable money prizes will be awarded the best pen of each breed, and also to the greatest individual layer of each breed.

The contest will begin May 15, and close October 15, and is open to all breeders in the United States, each pen to consist of ten hens and one male bird. All interested in these should write direct to Mr. Waring, at Norfolk, Va.

"What is the matter with Houdans?" we asked of one of the most successful breeders of them. His answer was that the "bad influence of the Club for wrong shape and too dark color had almost driven them out of the showing." Said he: "The Houdans should be a large Dorking-shaped fowl, with a body built for a large proportion of white meat. The kind met with to-day in the show room, are not of that type; they are more like Polish than Houdans."

If any of our readers can furnish one male and three or four female Black Firzzles, if they will address this office, giving quality and price, we may be able to find a customer for same.

When in New York attending the poultry show a gentleman called at our booth and said he had seen the advertisement of the Norfolk and Western Railroad in our paper, that he had gone to Norfolk and purchased a nice little farm upon which to grow poultry, and that two of his friends were going to do likewise. He remarked that the project was worth the consideration of poultry fanciers.

We have just received a letter from Wenz & Mackensen, of Yardley, Pa., in which they call our attention to the fact of large importations of Hungarian pheasants and German and Maltese pigeons. Hungarian Partridges are about twice the size of our every-day quails or Bob Whites as commonly known. These were imported for the game commissioners of Illinois and Kansas. These people are ready to import all kinds of pheasants and game birds for any one throughout the United States desirous of having them.

Those who make it a business to grow poultry should always plant the yards with fruit, and the fields with clover, all of which would lead to bee keeping. When one becomes familiar with the handling of bees, they are quite as attractive as poultry or pigeons. One must learn how to handle them to be successful with them.





## Beautiful Light Brahmas



IN OUR write-up of the Boston Show we mentioned the success gained by Mr. John L. Kerr, of Wilton, N. H., in the Boston Show with his Light Brahmas. Since that time Mr. Kerr has forwarded to us a group picture of his Light Brahmas, as found at home in his breeding yards. Among these is the first cockerel of Providence, 1905, and the grand hen that won the cup at Boston. The pullet in the right-hand corner is the same which won high honors at Boston as a hen. This pullet has won at several shows during her lifetime as a pullet, as a yearling hen, and this, her third season in the show room, places to

The judge of Brahmas at the late New York show said that in his opinion Light Brahmas had gone backward in the past two years. The enthusiastic fanciers of Brahmas at Boston claimed that there had been more advancement in the past two years than in the former three. If Brahmas are to be considered under the description of the Standard, they most certainly were better at Boston this winter than for two years past, and Boston always has the best show of Brahmas made in the world.

When such people as H. N. Rollins, J. W. Shaw, Philander Williams and other New England fanciers come together to compete, the world may be well satisfied that quality will be shown, and this was the case at Boston this winter. In the



MR. KERR'S PRIZE WINNING LIGHT BRAHMAS

her credit first at Boston, several specials and the cup.

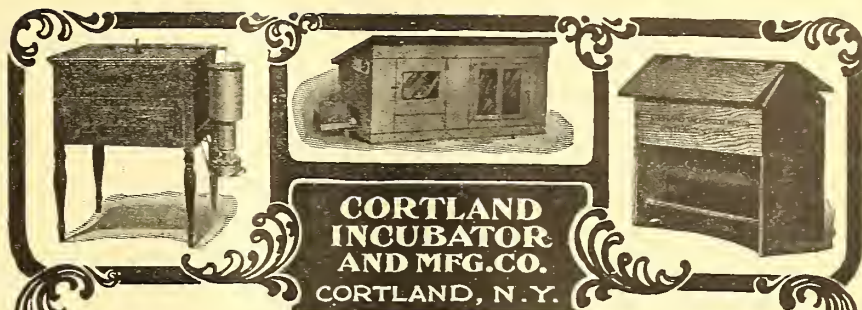
Mr. and Mrs. Kerr were both at Boston, and enjoyed the pleasure that came to them with their winnings. In conversation with them, we were told that their display of Brahmas was the result of over ten years of care in the selection and breeding for the best that could be produced in this variety. This same stock, they said, shall be kept working continually for the purpose of being returned each year to the Boston Show, if for no other purpose than for the study of improvement and, perchance, for carrying away of the Governor's challenge cup. This cup was presented to the Boston Association by the late ex-Governor Greenhalge, to be awarded each winter for the largest and best display of Light Brahmas, to consist of not less than ten birds in the single class. Each competitor must certify that every bird in his exhibit in the single bird class has been raised and bred by him. For any one to go to Boston and win this cup would be honor enough for a lifetime.

open classes Mr. Kerr exhibited eighteen birds, all of his own breeding, all of the highest type and character found in the Brahma. Nothing could be better than this, said he, than to have awarded, to have won the Governor's cup as a reward to the ability of the breeder to produce the best.

The Light Brahma not many years ago stood among the leading varieties for quality and number in the show room. New England, the home of the Brahma, has kept the base longer than any other locality. The Brahma has receded in general popularity from the mere fact that those interested in them have permitted their popularity to dwindle away by not keeping up the interest by presenting beautiful illustrations of their chosen breed.

As stated by us a number of years ago, continued and persistent advertising through the use of printer's ink and illustrations the Barred Plymouth Rock has been pushed into every corner of the

Continued on page 10



You are looking for the INCUBATOR that will return you the LARGEST NUMBER of big healthy chicks—the kind hatched to live—EVERY TIME you fill it with fertile eggs. THE CORTLAND INCUBATOR IS THE LAD THAT DOES THE BUSINESS. A new machine, did you say? Not at all! It has taken FIVE YEARS TO PROVE IT UP, during which time WE PAID FOR THE EXPERIMENTING.

Old Norfolk Farm, Ithaca, 10th February, 1907.  
Gentlemen:—My No. 1 150-Egg CORTLAND INCUBATOR is great! The first two hatches averaged 89%. The last hatch fairly took my breath away. I GOT 126 STRONG CHICKS FROM 126 FERTILE EGGS.

My CORTLAND COLONY BROODER is a marvel of efficiency and good construction. IT HOLDS THE TEMPERATURE EASILY IN ZERO WEATHER OUT-OF-DOORS. Your wired BROODER LAMP is a GREAT IMPROVEMENT over the \_\_\_\_\_ which I have hitherto used exclusively.

YOUR MACHINES ARE PROFIT PAYERS.

Yours sincerely,

C. C. Rollins

The CORTLAND BROODER, the CHICK LIFE SAVER, cares for the little fellows through the COLD NIGHTS OF MARCH as comfortably as during the HOT NIGHTS OF MAY. It is THE kind that allows you to sleep nights with that UNDISTURBED feeling. The CORTLAND LAMP—the HEART of our brooder—is SMOKELESS, ODORLESS and BLOW-OUTLESS. Fill, trim and clean the lamp—the CORTLAND BROODER DOES THE REST.

Investigate, through a personal test, the CORTLAND FEED HOPPER. It is made with a CONCAVE METAL FRONT and feeds smoothly, without hitch or waste, all kinds of whole and cracked Grains, Mash, Grit and Charcoal. It gives maximum results for minimum labor—the KEYSTONE to success in the Poultry business.

Every piece of Cortland Chick Machinery is put through a WORKING TEST before it leaves the factory.

Write TO-DAY for our ILLUSTRATED CATALOGUE just from the press. It describes CORTLAND INCUBATORS, BROODERS, COOPS, PORTABLE HOUSES and FEEDS.

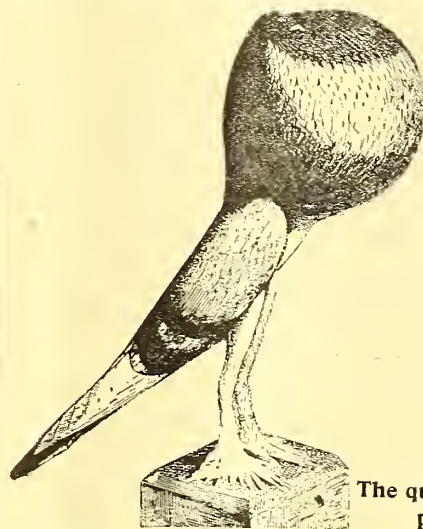
Let us assist you to succeed in the poultry business. Your enquiries will be answered personally and promptly.

Department

CORTLAND INCUBATOR & MFG. CO.,  
CORTLAND, N. Y.

## SOME GREAT BIRDS FOR SALE

PRIZE WINNING STOCK AT GREATLY REDUCED PRICES



I must have the room and am offering a few spare **Pigmy Pouters** at less than a fourth of their value. These birds are from imported stock, and have won first honors at New York, Washington, St. Louis, and Hagerstown, Md. If you want some grand birds at greatly reduced prices, now is your chance.

PAIRS FROM \$3 UP

Write me before it is too late.

The quality is here. The opportunity for such purchase does not often present itself.

Address **POTOMAC LOFTS, Chas. E. Schofield, Proprietor, 3106 N Street N. W., Washington, D. C.**

## SPECIAL SALE BRONZE TURKEYS

Having a choice lot of Bronze Turkeys yet on hand, we will offer for the next thirty days

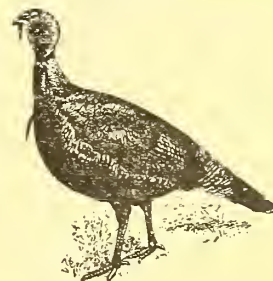
5 Trios at \$15 per Trio

10 Trios at \$20 per Trio

5 Trios (select breeders) at \$25 per Trio

3 Flocks of 5 Hens, one Tom, at \$25.00

Choice Breeding Toms \$5, \$8, and \$10 each

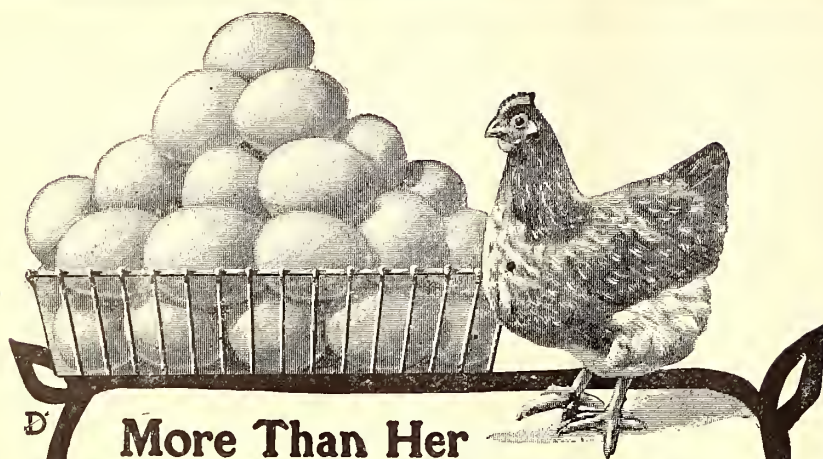


Our Turkeys have won at St. Louis World's Fair, Madison Square Garden, New York, Nashville, Tenn., etc. Never beaten. Eggs, \$5 per 11.

**Mrs. U. R. FISHEL**

**Box F, HOPE, IND.**





## More Than Her Own Weight in Eggs Every Month

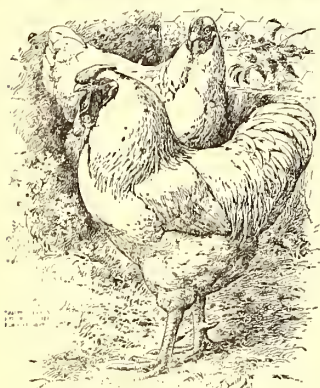
Such big egg production can only be had when the hen is in good condition---strong, healthy and properly fed. To insure a willingness to lay regularly, you must supply the proper feed but more than enough to just sustain life. The yield of eggs from a hen properly and sufficiently fed is only limited by the capabilities of the individual bird, *but in order to reach that limit*, whatever it may be, use

### CORNO HEN FEED

It has been proven to contain the proper variety of grain, containing sufficient nitrogenous matter, and if fed in conjunction with the usual grit will insure the best results at all times. *Ask your dealer.*

We will send a **SAMPLE** to any reliable poultry raiser and quote a price on any quantity *delivered* at your nearest railroad station.

Write THE CORNO MILLS CO.  
Maker of "The Feed That Is All Feed"  
2000' Baugh Ave. EAST ST. LOUIS, ILL.



## White Wyandottes Barred Plymouth Rocks S. C. Brown Leghorns

EGGS \$1.50 PER 15, \$6 PER 100

## Pekin Ducks

EGGS \$1.50 PER 11, STRAIGHT

All from good, vigorous, well-mated stock. Satisfaction guaranteed. Write for particulars.

**The COVAN POULTRY CO.**

R. F. D. No. 1, Cumberland, Md.



## French Fowls



ENGLISH poultry has had a wonderfully successful in-ning, brought about through the most careful handling of the Orpington fowls since they have been introduced in this country. It is quite to the credit of the variety and their breeders that they have done so well. Now there is a disposition in another direction to push forward the Houdans, the Faverolles and the La Fleche of France. Years ago the Houdan was highly thought of; the Faverolle made one attempt for public favor and failed. Now they are in the hands of more able management, and it looks as though they might be the next rage in foreign poultry.

The Houdans and Faverolles grow rapidly, and it is claimed that they make fine broilers at ten weeks old. They are regular when carefully selected and bred for vigor. The Faverolles are naturally very vigorous, having a combination of Houdan and Asiatic blood in their veins. It is claimed that the Houdans are small feeders. It is not claimed that the Faverolles have the same virtue. We imagine that both of them will average about the same as other poultry, for the law of nature demands that size, weight, vigor, and production must all be sustained through the food supply.

There are no people in the world that have given equal attention to the growing of poultry as the peasantry of France. The Houdan has been bred for market purposes in France for more than one hundred years. They were brought into this country about sixty years ago. The Faverolle was introduced here first some ten years ago, but rather neglected. They have now been taken up by that great New York fancier, Dr. Phelps, who is spreading their glory from Maine to California.

The eggs of the Houdans have the white shells, those of the Faverolle, a tinted shell. We have seen it recently stated that the eggs of the Houdans would average three ounces each, and the Faverolle and Minorca about the same. We have seen many eggs of the Houdans and the Faverolles, and while they do produce eggs of fine size and character, it is a mistake to claim for them a weight equal to thirty-six ounces to the dozen. These false statements do not benefit the breed in the least, but savor rather of fiction than truth.

We have weighed eggs from the Minorcas, eggs from Houdans, eggs from Faverolles, taking the average of the flocks, not of the special individual hens that produced extra large eggs, and found that the average run of the Houdan and the Minorca was about the same. The eggs of the Faverolles do not average with these, but nearly so. The eggs of the average run of Houdans, Faverolles and Plymouth Rocks are about the same.

The great advantages claimed for the French fowls is the long keel bone or breast, which provides for a third more white meat than is found on any other poultry, unless it would be the Dorking

themselves. The pinkish-white meat, the long, full breast, the minimum amount of bone and offal to the greatest amount of red meat and the greatest response to feeding for the table, are the special claims for the French fowls.

There can not be any doubt whatever but that more attention might be profitably paid to producing Dorkings, Houdans, La Fleche, Faverolles and Indian Games for market poultry. These should all be bred in their purity, and specially selected for the best egg production and market fowls. We know of one flock of Dorkings carefully housed, bred and fed for the purpose intended, that produced as many eggs in the year, and lay as many in the winter months, as do the best selected Plymouth Rocks and Wyandottes, showing the possibilities of a large egg production and profit from market poultry by keeping these breeds of fowls.

## Beautiful Light Brahmas

(Continued from page 9)

globe. As stated to the leading members of the Dorking Club a short time ago, continued, persistent determination and publicity would make any breed or variety popular, and to foster their sale no hesitation must be permitted to keep the seller from making the most plausible statements permissible within the bounds of truthfulness as to the quality of the fowl. This same rule may well be applied to all kinds and classes of fowls, always keeping in mind the necessity of truthful statements of their quality.

The beautiful Brahma might easily be made much more popular than they have been in ten years, if more and better illustrations of them were constantly presented through the press; if more and better writings were printed of them; if more attention were given to an increased egg yield, and if their highest qualities were presented along the lines of producing broilers, frying size, light and heavy-weight and soft roasters at the least possible cost and of the most desirable quality. Then, wherever the capon is desirable, what can equal the Brahma?

In addition to the beautiful lot of birds shown by Mr. Kerr at Boston in the Light Brahma classes ninety-three were in the open classes, five in the novice classes, and fourteen Dark Brahmas, besides five beautiful exhibition yards of the Light variety; in all one hundred and thirty-nine beautiful Brahmas of superb quality. This might be increased to several hundred, if the breeders of Brahmas would continue to be true and persistent in pushing them forward. This, Mr. Kerr seems determined to do, and we trust that he will be more than successful in this.

"As I am not certain when my subscription to The Feather expires, kindly credit me with the inclosed order for 50 cents, and don't forget to mail me the November number. I would regret very much to miss one. The only poultry paper published in this country to my fancy is The Feather. All the rest are extremely monotonous."—E. T. Edmunds.

## Why Don't You Build Your Own Incubators and Brooders



**OTHERS ARE DOING IT. We furnish all parts not possible for you to make.**  
If you think that you can't do this, you are mistaken. Over eighteen thousand people were interested by us in building their own machines last year. A great many thought they could not do it, too, but our Catalog and Book of Plans convinced them that they could, and in addition proved they could build a better machine than they could buy for less money. You see it's all because the plans are so simple and the work so easy. We supply all parts not possible for you to make.

**PLANS FREE**  
We don't want you to take our word for it. Just let us send you our Catalog and Free Plans, if it fails to convince you, then we'll drop the matter.

If you already have machines this catalog will be valuable to you. It tells how to save time, labor, money. Tells how to reduce your present operating expenses one-half with our Acme Lamp and Regulator outfit. Can be easily attached to any make of machine. Sold singly or together. If you want better and bigger hatches; want to save time, labor and all annoyances common with ordinary fixtures, send for this free catalog and plans today. It's worth dollars to those interested.

**H. M. SHEER CO. 120 Hampshire St., Quincy, Ill.**



## California Facts and Figures

By M. R. JAMES

**T**HE Editor of THE FEATHER requests some plain facts as to poultry growing in this section, which must be understood as applying to the Coast region, the poultry-raising belt of California. His impression that this industry in the Golden West lends itself to romance, is not entirely without foundation. We, ourselves, are often astonished by the "write-ups" in the Eastern press. Usually, these articles represent the illusions and disillusion of the newcomer; for, as a rule, our editors and poultry-raisers try to moderate undue expectations in the stranger. For instance, in the dead of

poultry fever seizes upon one like an infection as soon as he is well into the state. Perhaps our enthusiast has raised poultry in the East, anyway he feels equal to doing it here, and incidentally giving the native a few pointers. He rushes in, often where the experienced native fears to tread, and generally, is not niggardly in his expenditures, being sure that the best is none too good—which is true, but with modifications.

An old resident of Castro Valley once made a remark which is pertinent here. This valley is an attractive location, and sees the coming and going of many would-be poultry raisers. It was on the occasion of the coming of one of these: "That feller is starting in with two incu-



FIRST PRIZE CKR'L. AUBURN ARA. SHOW 1907  
Bred & Owned By F.C. Lish, ROMULUS N.Y.

WHITE WYANDOTTES

winter, out of snow drift and blizzard, he is set down in the midst of bloom and verdure; the bay is rippling in sunlight, the green of the Coast Range is dappled with shadows of floating clouds. Or, if he happens upon a rainy spell, the warm, gentle showers which cleanse and paint the landscape in fresh colors, are almost as attractive. As to cold, he learns that an occasional, brisk north wind, a few frosty nights, and, perhaps, a skim of ice two or three times during the season, about covers that. In the markets and stores, fresh ranch eggs are retailing for from fifty to sixty-five cents per dozen; while carloads of poultry products are constantly being received from the East. In the glamor of it all, he writes to his home paper extravagantly and ignorantly, never failing to express his surprise at the gross stupidity and indolence of the native in not grasping his opportunities in the poultry line. The simple life appeals to him under these conditions—in fact, the

bators; it will take him only half as long to play out!"

Our enthusiast runs up against snags he had not dreamed of, and his illusions vanish with his cash. Then comes the counter report to his paper, and, between the two extremes, the readers are at sea. Here is a sample of the many inquiries that come to poultry editors and writers on this coast: "Poultry raising ought to be a paying proposition in California; but there seems to be some serious obstacle in the way of success. Kindly inform me what is the chief difficulty." Now, there are two large-sized difficulties.

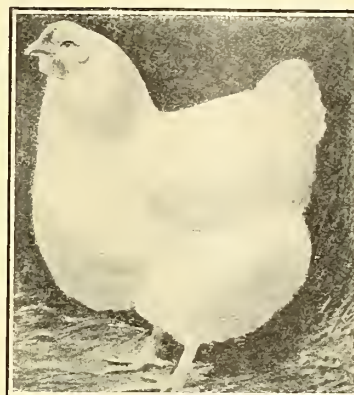
First: Disease arising from colds.

Second: The highest price of food stuffs.

The former is the more serious, but may be overcome; the latter is always with us. Then, there is the problem of sufficient fresh, green food for large flocks.

New York and Maryland Stations say Milk Albumen is most palatable, healthful animal food.

## WHITE WYANDOTTES — MAPLESIDE STRAIN —



MAPLESIDE QUEEN

First and Special at Madison Square Garden, New York, January, '06

Madison Square Garden and Boston WINNERS

For the season of 1906 and 1907 at the above-named shows, I won four regular and three special on four entries, including FIRST HEN at Madison Square in a class of 51. For the past 14 years I have been exhibiting my birds in the best competition that ever enters the show ring, and to-day the MAPLESIDE STRAIN is acknowledged the BEST IN THE WORLD for shape and color. My New Booklet for 1907, brimful of good things for the Fancier is yours for the asking.

EGGS—\$3 per 13; \$5 per 26; \$10 per 60. Choice breeders—either sex.

Address

CHAS. NIXON

Box 32, Washington, N. J.

12-8

## HERNDON POULTRY ASSOCIATION

Breeders of the LEADING VARIETIES of pure bred poultry Barred, Buff, and White Rocks; White, Brown, and Buff Leghorns; White Wyandottes, Black Minorcas; R. I. Reds, White Holland, Buff and Bronze Turkeys, Pekin Ducks. Write for circular. C. M. WALKER, Sec.

HERNDON, FAIRFAX CO., V. A.

12-8

## HARTMAN STOCK FARM POULTRY YARDS

STATION C

H. B. HARK, Manager

COLUMBUS, OHIO

PARTRIDGE WYANDOTTES OUR SPECIALTY

Prominent winners at Madison Sq. Garden, N.Y., 1906-'07. Eggs \$2 per 15, \$0 per 100 White, Buff Wyandottes, Barred Plym. Rocks, White Leghorns, Pekin Ducks of Quality

Having sold all our surplus stock, we have reserved 2,000 head of the choicest specimens of our varieties for the egg trade the coming season, and are now hooking orders for delivery any time after March 1 at \$1.50 per 15; \$7 per 100. Our price is very reasonable considering the high quality of our stock. We are also offering Incubator eggs from large, strong, and vigorous Barred Plymouth Rocks, White Wyandottes, and White Leghorns. The kind that lay eggs and lots of them, at \$5 per 100. We have no catalogues or circulars. Please mention this paper.

12-8

## PALMERS -- S. C. BUFF and BLACK -- ORPINGTONS

Not only win for US, but win for our CUSTOMERS in all parts of the country. We are far enough south to hatch birds early, therefore they attain great SIZE and prolificacy as breeders and layers. This has been bred into them for years, until they are now the LARGEST, QUICKEST MATURING AND BEST SHAPED BIRDS TO BE FOUND.

Our winnings prove their superiority—18 out of a POSSIBLE 23 prizes at Rockville, Md. and Paterson, N. J., this season, 163 Orpingtons competing. In these winnings are included 8 1sts, 3 2ds, and 2 SHAPE SPECIALS at Paterson for BEST SHAPED BIRDS IN SHOW in these classes. We have the BEST, and it will pay you to get our free circular and price list before ordering elsewhere. Write for it TO-DAY.

At many of the shows this season the prizes were won by birds PURCHASED FROM US OR HATCHED FROM OUR EGGS. We will treat YOU likewise; every bird and egg we ship being guaranteed. Mr. Joe Coleman, Bellville, Ohio, writes: "A cockerel from your eggs scored 94, and the pullet purchased of you scored 95." We have dozens of like pleasing testimonials from our customers WHICH PROVES WE CAN SUPPLY YOU WITH THE BEST.

WOODLAWN POULTRY YARDS

Established 1899

Box 95

Sandy Springs, Md.

12-8

## BOSTON SHOW, 1907

BIGGEST WHITE WYANDOTTE SHOW OF THE YEAR

ANDREWS'

WHITE WYANDOTTES

Won 1st and 5th Cockerel, 1st Pen, Silver Cup, and 3 Specials

The accompanying cut is a photo from life of my First Boston Cockerel, 1907. My strain have won at the Boston Show for every year since 1897, a record never equaled by any other breeder of White Wyandottes, also at New York, Chicago, and other shows in the hands of my customers.

They win for others, they can for you. Try them. Eggs, from pens headed by three first-prize Boston males, \$5 per 13, \$8 per 26. Eggs, from four other grand pens, \$3 per 13, \$5 per 26, \$15 per hundred.

Illustrated circular free. Satisfaction guaranteed.

J. W. ANDREWS, DIGHTON, MASS.



FIRST BOSTON COCKEREL, 1907





## WILL YOU LET YOURS DIE?

More chickens die annually from Bowel Complaint and Chicken Cholera than from all other diseases combined, and yet they are the easiest of all poultry diseases to prevent or cure.

## Bowel Complaint or Cholera

can be cured in 24 hours by proper use of **Germozone**—the poultry medicine made by "Lee of Omaha." A tablet, or a teaspoonful of the liquid, in the drink occasionally, is all that is necessary.

**Germozone** is a germicide, a bowel regulator, the best cure for all poultry diseases—Bowel Complaint, Cholera, Roup, Sore Head, Limberneck, etc.

Sick hens don't lay, sick chicks won't grow. Keep them healthy and productive by occasional use of **Germozone**.

Price 50c, by mail, postpaid.

**GEO. H. LEE CO.,**  
Omaha, Neb.

Lee's Lice Killer kills all vermin without handling, dusting, dipping or greasing.

We carry in stock the Mandy Lee Incubator and Brooders, also Lee's Lice Killer. Egg Maker and Germozone. A full line of Poultry Supplies. **H. E. FISKE SEED CO.,** 12 & 13 Faneuil Hall Square, Boston, Mass.

WE WISH TO IMPRESS ON THE READER'S MIND that no matter where you are located, if thousands of miles divide us, you can not afford to undertake the raising of little chicks without feeding from the very start Eaton's Life Saver Chick Food. If your dealer can not furnish, write for sample. Eaton Grain & Feed Co., Norwich, N. Y. Mention this paper. 12-9

## WHY HATCH EGGS?

**BUY LIVE CHICKS**  
S.C.W. LEGHORNS — Best Layers  
Strongest fertility — Hardest Chicks  
Send for Booklet  
**GLENOLDEN POULTRY YARDS** Glenolden, Pa.

White Plymouth Rocks that win everywhere. They win at State Fairs, World's Fair and Madison Square. State White Plymouth Rock Club Cup, Ivory Soap Cup and any other cup that gets in their way. At the great Washington Show, 1907, won Second Cock, First Hen, First, Third and Fourth Cockerel, First and Fourth Pullet. Eggs, \$3 and \$5 per setting. Some nice cockerels for sale.

**C. C. BURROUGH, Clayton, N. J.**

12-7

## FELL'S WHITE WYANDOTTES

Won the Gibbons Challenge Cup **VALUE, \$100**

At Scranton, Pa. First, second, and silver cup for best pullet at Philadelphia. Also winners at Allentown; East Greenville; Stamford, Conn., and Wilmington, Del., '07. Eggs \$2 per set.

**A. J. FELL, WEST POINT, PA.**

12-6

## KAUYAHOORA FARM THE BEST IN S. C. WHITE LEGHORNS

matings \$2 per 13, \$3 per 30. Incubator eggs \$6 per 100. Mating list free.

**G. S. MOORE**

**Box 107, Trenton Falls, N. Y.**

12-7

## Poultry Supplies

Now is the time to put in your supplies for an early spring start, and don't wait until the last minute, and let everything come at once.

If there is anything at all that you need in the poultry supply line, get my prices before you buy, because I can save you money on anything you need. I am in position to give you a price on almost everything in this line.

If you are going in the poultry business this spring, send me a list of what you want, and I will quote you astonishing prices on the lot. Write for circular to

**CARL E. HOHL**  
152 Henry St., Dept. P Dayton, Ohio 12-6

## Light Brahmas

Heavy Layers Non Setters

Built well up on legs with long backs, not Cochins shape. Winners of 10 firsts, 5 seconds, 4 thirds, 3 fourths and 4 specials at Lynn and Milford the past two seasons on 23 entries. Some fine breeders for sale. Eggs, \$3 per 15; \$5 per 30.

**B. E. DARLING,**  
Box 115. Natick, Mass. 12-6

Buffinton started the Poultry business in 1841. Will sell eggs from prize stock of Buff and Partridge Plymouth Rocks, Buff and Columbian Wyandotte, Buff Leghorn, White Orpington, Rose and Single-combed Buff Orpington. \$2 for 15, \$5 for 45. Incubator eggs from fairly good stock of Buff, P. Rock, Buff Wyandotte, Buff Leghorn and R. I. Red, \$4 for 100. Send for circular.

**Rowland G. Buffinton, Somerset, Mass.**

12-6

## LIGHT BRAHMAS

At Philadelphia, 1907, my Light Brahmas were awarded **first cock, first hen, second cockerel** 3d do, first and fourth Pullets, 2d pen and special for best display of Light Brahmas. Birds and eggs for sale.

**J. A. ROBERTS**

Malvern, Pa. 12-6



## 100 Years Ago

The improvements and advancements of to-day were unknown and unexpected. Keep abreast with the times by securing the best of everything. If you want the best thoroughbred poultry and eggs the **CLOISTER POULTRY FARM** is the place to get it. We have thousands of dollars invested making our farm one of the largest in the East. We breed 40 leading varieties of poultry.

"Square dealing brings success" is our motto. Our illustrated catalogue, tells all about it. Send for it at once.

**CLOISTER POULTRY FARM**  
Ephrata, Pa. 12-6

We have a rainless season of some five months' duration, and without irrigation, it requires strenuous cultivation to keep truck fresh and growing. Gardening is, in fact, a more difficult proposition than in the East. We have fewer insects, but those we have get very busy and the most of them are not palatable to fowls; caterpillars, cabbage lice and slugs, are examples. The gopher is a pest to town and country. In the latter place, the gray, ground squirrel is even worse, making his burrows in the soil and eating vegetation, root and branch. The task of destroying these pests each year foots up a big bill of expense for the ranchman.

Coming back to the chief difficulty, disease, we find the Coast climate in some respects more trying upon fowls than severe cold. The newcomer starts with the idea that little or no protection is necessary for fowls in such a mild climate, and he is apt to end by crowding them into tight, badly ventilated quarters, which is still more disastrous. It must be acknowledged that not all the natives, by a large majority, have "gotten wise" on this point. On the ranches, suitable poultry houses and quarters are the exception. The rule is any old thing, slatted on one or more sides, full of cracks and drafts and filth—and mites and roup! Yet these ranchmen and fruit growers all make a stagger at raising poultry. It is their cash asset—the one product that is always saleable, and that always demands spot cash. The roup is looked upon somewhat as a necessary evil, and is ever there or thereabouts in either acute or chronic form. Most of the young fowls are afflicted with chronic roup. They may appear in fair health, being active and greedy; but the expert detects it in the smell, the gumminess about the nostrils and the general skinniness. These are the blue, stringy broilers and fryers so much complained of in this market. Is it any wonder that Eastern poultry commands a higher price than the native product?

Another point where many trip is in the summer care of fowls. Our summers are more trying upon them than our winters. June is really the month for an outbreak of roup. The trade winds are then at their height, and while they temper the heat with invigorating coolness, they also bring drifting fogs and chill nights after warm days, which are hard upon unprotected fowls. When one has learned to meet these peculiar conditions of climate by the proper housing and protection of his fowls, together with cleanliness and correct feeding, the question of disease is entirely eliminated. Lumber of an inch thickness affords sufficient protection from the cold and makes a satisfactory house if perfectly tight, dry and well ventilated; but comfortable housing is just as necessary here as in severe climates.

In the matter of figures the writer has found by a careful record of years, that it costs on an average of one dollar and ten cents per fowl each year for feed, the mill stuff being bought at ton rates; a large flock of a good laying breed, kept under fair conditions, will average about one hundred and twenty eggs each per year. A conservative estimate of the net profit per fowl on a market egg ranch is one dollar. Whether this profit is increased or decreased depends upon the man behind the hens. The fancier secures a much higher profit per fowl; usually about four dollars and often much more, depending upon reputation and methods. I can not do

Bent's Milk Albumen makes early layers. 12-7

**5 YEARS IN SUCCESSION**  
Our Banded Plymouth Rocks have won 1st Pen at the great Brockton Fair. Pocket Book Pointers, with mating list free.  
**Lambert's Poultry Farm, Apponaug, R. I.**

## Learn Advertising at Home

Send 10 cents, stamps or silver, for sample copy **White's Class Advertising**. Tells how to advertise to reach rural people.

**FRANK B. WHITE, Counselor at Advertising.**  
At it 17 Years 900 Caxton Bldg., Chicago

## BABY CHICKS

We ship thousands each season. Nine different varieties at reasonable prices. Full count and healthy chicks guaranteed. Are booking orders for spring delivery. Send for booklet and testimonials.

**FREEPORT HATCHERY,**  
Box F, Freeport, Mich.

## Baby Chicks

With Brooder, complete, and eggs for hatching from Single-combed White Leghorns. Also White Pekin Duck Eggs. Write for circular.

**WHITE FEATHER POULTRY YARDS**  
South Dayton, N. Y. 12-6

## ROSE COMB BUFF ORPINGTONS

This is our fourth year to win at Madison Square Garden, each year getting a better place. For two years we have beat the originators, this year we lead all, winning more prize money than any of the other six exhibitors. Eggs, from the best there is in the world, \$3 and \$5 per setting. Send for mating list.

**J. W. ANDREWS**  
L. Box 687 Dover, N. J. 13-5

## The Clearview Families

**WHITE WYANDOTTES**

**BUFF ROCKS**

**BLACK ORPINGTONS**

If interested in any of these varieties, write for circular and mating lists.

**H. L. MAPES,**  
13-5 Clearview, Mt. Lebanon, Pa.

## S. C. WHITE LEGHORNS

Hundreds of select, high scoring, heavy laying birds, Wyckoff's strain in free range colony houses. Eggs, 15 for \$1; 50 for \$2.50; 100 for \$4. Circular.

**CLOVERNOOK FRUIT FARM,**  
Route 13, Chambersburg, Pa. 12-6

## THE OAKS

Eggs for spring hatching booked now if accompanied by the cash. Get in line and get the best. Nothing better than our "finest on earth" White Rocks, and Col. Wyandottes. Eggs this season have been reduced to 15¢ per 15, excepting my exhibition pen of Plymouth Rocks; they are 5¢. When you get mine you get the best. Send for my circular, its worth dollars to you, but is free.

**Clarence F. Bruton,**  
Box 337, Sikeston, Mo. 13-5

## R. C. BLACK MINORCAS

**COLUMBIAN WYANDOTTES**

Prize winners at New York, Chicago, Washington and other national shows. Record trap nest layers. Booking orders for eggs now.

**S. T. CAMPBELL,**  
12-7 Mansfield, Ohio.

Having mated up the best Banded Plymouth Rocks I ever owned in both cockerel and pullet matings, I stand ready to book orders for eggs at \$2 per 15; \$5 per 45, incubator eggs from pure Rocks, \$5 per 100. Stock for sale. Address  
**CHAS. STAAF, F. Peapack, N. J.**  
13-5



## DR. NOTTAGE'S DRY FEED BOX

(NEW IDEA, NO WASTE)

Prices, \$1.50 and \$1

Send for circular 3

Plans For Dry Feed Box, 50c

1 use a \$1.50 Brooder, Plans, 25c

**DR. H. NOTTAGE**  
12-10 Box 12, Goshen, Mass.



## BARRED PLYMOUTH ROCKS

Bradley Bros. strain are the best. Bred by  
E. P. SANDS, Mitchell, S. D.  
Write for free circular. 12-8

## Agents Wanted!

To sell "Homeo" Poultry Remedies. The most  
successful remedies on the market. Easy to  
sell. Liberal commission. See our ad in this  
paper. Write at once for full information.  
CUGLEY & MULLEN, Dept. I.  
1229 Market Street, Philadelphia, Pa.

## Rose Comb Rhode Island Reds Exclusively

We won silver cup at Philadelphia for best dis-  
play; first prizes there, at Washington, D. C., and  
Wilmington, Del.; all in 1907. Write for booklet  
for prices, matings, and winnings. Eggs and a  
few cockerels for sale.

GEO. H. HOLLIS  
3 East Ninth Street Wilmington, Del.  
12-5

## WHITE PLUME FARM

S. C. White Leghorns, White Wyandottes, Pekin  
Ducks. Winners at the leading New Jersey shows.  
Fertility of eggs guaranteed. Eggs, \$1 to \$5 per  
15; \$5 to \$8 per 100. Little chicks, 10c to 25c  
each. Cockerels, \$2 to \$5 each. Send for 1907  
mating list.

F. D. HILL, Prop.  
Westwood, N. J. 12-7

## FLOWER GARDEN SEEDS

Selected List, Varieties Especially Suited for  
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poses. Good Seeds at popular prices. Price  
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15 EGGS \$1.00  
30 " 1.75  
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Two Med. Nest Eggs with Each Order

Golden, White, Silver and Buff Wy. Rose and  
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Buff Leghorns; Barred, Buff and White P. Rocks;  
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Golden and W. C. B. Polish; S. B. Black and  
White Minorcas.

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Minorcas. Rose Comb R. I. Reds and G. S. Ham-  
burgs \$1 for 13, \$2 for 30, Columbian Wy., \$1.50  
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therefore the eggs are fertile, and the chicks strong  
and vigorous when first hatched. A fair hatch  
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Circular free 25 years as breeders.

Whitney & Son Successors to Whitney Bros. Triangle, N. Y.  
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\$2.00 Per 100 Lbs.

Freight Prepaid to Any Station in the U. S.

Six Sizes

- No. 1 For Adult Fowl
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- No. 3 For Brooder Chicks
- No. 4-5 For Mash Feeding

Large Consumers and Dealers  
Let Us Quote You on Large Lots, FREIGHT PREPAID  
Samples Sent

Thomas Bros. Co.

Beach and Columbia Ave Philadelphia, Pa.  
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HOME OF

## S. C. BLACK MINORCAS

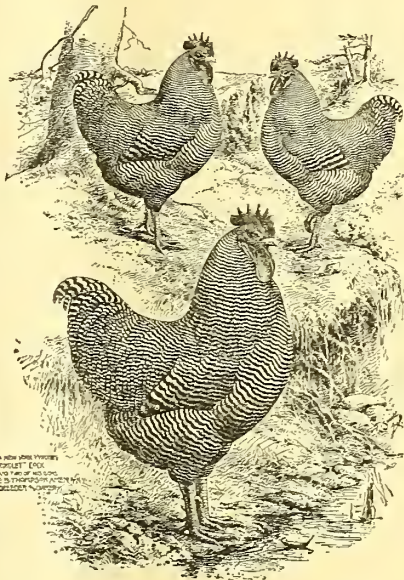
My breeding pens for 1907 will contain winners  
at World's Fair, Boston, Madison Square Gar-  
den, Hagerstown, Md., and Cincinnati, Ohio  
shows. Eggs, \$4 per setting; 2 settings for \$7;  
3 settings for \$10. The run of the pens, \$3 per  
setting; 2 settings for \$5. Address,

JOS. P. HILLDORFER

CHESTER AVE., ALLEGHENY, PA.

Winner at New York and Boston, 1907. 12-8

better than to give a few items from the  
experience of an Eastern man who has  
been three years in the poultry business  
in this state, and had had twelve years  
experience in his own state—F. W. Wil-  
son, of Santa Rosa. His success is a  
foregone conclusion, for he not only  
"scratched ground along with the hens,"  
as recommended by the immortal Greeley,  
but he is mentally alert, being foremost in  
progressiveness, secretary of a poultry  
club of two hundred and fifty members,  
and a valued contributor to the press. He  
has ten acres of land and all the work is  
done by himself and twelve-year-old son.  
So far he has kept about six hundred hens  
of common Leghorn stock, but he is  
working to bring the number up to twelve  
hundred. He says: "The first year on  
this place I cleared on poultry only \$225;  
the second year \$485, and the first eight  
months of this year, or to September 1,  
1906, \$947.18. I had all kinds of trouble,  
and found chickens here were not chick-  
ens in Pennsylvania. At the same time,  
I can now say that a profit here of one  
and a half dollars per owl a year, is no  
exaggerated claim."



THREE OF E. B. THOMPSON'S  
PRIZE WINNERS

It is often asserted that there are more  
poultry failures in California than else-  
where. The reason is plain; people go  
into the business here who would never  
think of attempting it elsewhere, and  
usually their chief asset is "great expecta-  
tion." The inexorable law of cause and  
effect winnows the field, and we have the  
"survival of the fittest." For all of this,  
the poultry industry in California is great  
and growing. People, native and others,  
are recognizing the fact that commercial  
poultry raising is a science and a busi-  
ness, requiring training and study, and the  
application of business laws and principles,  
and, in addition, adaptability to the work.  
Free from the hardships consequent upon  
severe cold and snow, poultry raising in  
California is especially suited to women  
(who are suited to it), and they are tak-  
ing advantage of this fact. Some of our  
women fanciers have been heard of in the  
East, and more of them will be. The  
Eastern fraternity will have to look well  
to their laurels.

"The Feather is a fine journal and it is  
O. K."—Fred Shields.

Bent's Milk Albumen makes lustrous plumage.  
tf

## EATON'S FAMOUS POULTRY FOODS

CHICK SCRATCH MASH  
LIFE SAVER CLIMAX PERFECTION  
Ask your dealer, or write R. D. EATON GRAIN & FEED CO.  
Norwich, N. Mention this paper.

## White Wyandottes Indian Runner Ducks

A breeder of White Wyandottes, exclusively,  
for eight years. Eggs, \$1.50 for 13. Stock all  
gone.

REED'S POULTRY FARM, Leipsic, Ohio.  
12-8

**FOR SALE** Washington, D. C., Mary-  
land and Virginia real  
estate, farms, country homes,  
timber tracts: historical estates, "poultry  
farms and small tracts." Washington City Real  
Estate Sale and Rent. Write what you desire;  
"Bulletin Free;" 1000 bargain homes, \$1000, and up.  
BOOTH'S FARM AGENCY  
"Ouray Bldg." Washington, D. C. tr.

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## Winning WYANDOTTES

WHITE AND SILVER PENCILED

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Complete fireproof Hatch-  
ing and Brooding plant for  
\$7.50. 2 qts. oil with hatch  
and brood 50 chicks. Our  
nest system is the latest  
discovery. Full line poultry  
supplies. Lowest prices.  
Free catalogue. Write to-day.

CYCLE HATCHER CO., Box 1, Keeseville, N. Y.

## WE WON

## 650 PRIZES THIS SEASON

On our birds at the different shows. We breed all  
varieties of Poultry, Ducks, Geese, and Turkeys.  
Write us your wants. Satisfaction assured.  
Prices the lowest.

CHAS. I. FISHEL & BRO., Box F, Hope, Ind.  
12-7



## Pekin Ducks—Rankin Strain

Mammoth size, healthy,  
unsurpassed layers, free  
range. Eggs, \$1 per 11.  
Correspondence solicited.  
Stamp for descriptive  
circular.

L. HARRIS GREWE,  
Mem. W. Wyand. Club. 12-8 Still Pond, Maryland.

## ROWE'S BUFF WYANDOTTES WON

at Brockton, Mass., Fair, Oct., 1906—1, 2 pul., 2  
ckl., 3 ck.; at Leominster, Mass., poultry show—  
cock 2; hen 1, 3; ckl. 1, 2; pul. 2, 4; pen 1; gold  
special for best display; at Mauchester, N. H.—  
cock 1, hen 2, 3; ckl. 2, pul. 1, 4; cash special  
for five highest scoring Buff Wyandottes; at Free-  
port, Me.—cocks 1, 3, 4, 5; hen 2, 4; ckl. 1; pul.  
1, 3; pen 2; silver cup for best display; at Port-  
land, Me.—cocks 1, 3, 4, 5, 6; ckl. 5; hen, 4; pul.  
2, 4; pen 1. Write me your wants. I have  
pleased others and I can please you.

H. P. ROWE

Box 597 Freeport, Me.  
12-6

## S. C. BUFF ORPINGTONS

Eggs \$2 per 15. S. C. Brown and White Leghorns, \$1.25 per 15. Barred  
Rocks, White Wyandottes, and S. C. Rhode Island Reds, \$1.50 per 15.

## Fayette Poultry Yards

J. E. Miller, Prop. 12-7 Mercersburg, Pa.

## GEM POULTRY FARM

Gem Strain White Wyandottes and White Rocks

Special offerings in cockerels and pullets. Do you want to see the birds before you pay for  
them; if so, write me your wants. Eggs, \$2.50 per 15, now ready.

R. N. MILLER, Box F, RED LION, PA.

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## LISK'S WHITE WYANDOTTES

made a clean sweep at the great A. P. A. Show held at Auburn, N. Y., January 7-12, 1907, winning on 10  
entries all firsts, 2 seconds, 2 thirds, 1 fourth, and 20 specials, including the National White Wyandotte C  
Silver Cup, and the Ivory Soap Cup for whitest bird in the show. My birds are of that nice blocky pure  
white type and great layers

Eggs, from the same pens I use from, \$3 per 15; \$15 per 100

Some nice cockerels for sale.

FRED C. LISK, Box D, Romulus, N. Y.

12-8

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White Rocks are what you need if you want stock  
bred both for fancy and utility. Egg orders booked  
now from Prize Matings at \$2.50 and \$5 per 15.  
S. C. White Leghorn eggs, \$1 per 15, nine chicks  
guaranteed from each setting or eggs replaced at one  
half price.

Emory Moyer  
Randall, N. Y. 12-6

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you naturally make a big profit. This is just  
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room trade to-day. The  
regular demand for fresh  
mushrooms is far in excess  
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can afford to pay fancy  
prices. To the farmer who  
has a vacant shed or cellar  
and desires to add a big,  
fat increase to his present  
income without interfering with any other work,  
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VAUGIRARD MUSHROOM CELLARS  
Box AE 397 Ramsey, N. J.  
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Pullets, Cockerels and Yearling Hens, bred  
from our Prize Winners. If you want good birds  
at reasonable prices, write your wants. Eggs, \$3  
and \$5 for 15. Day-old chicks, 30 cents each.  
Order early. Send for circular of winnings.

HAZELMERE POULTRY YARDS,  
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## 1907 Giant Strain Light Brahmas 1907

"Again Lead All at New York and Boston"

At Madison Square Garden, New York, January  
1-5, 1907, on only eleven entries, won 4th cock,  
2d, 3d, and 5th cockerel, 1st, 3d, and 4th pullet.  
At Mechanics Hall, Boston, January 15-19, 1907,  
won 1st and 3d cock, 3d and 5th hen, 1st, 2d, 5th,  
and 6th cockerel, 1st, 2d, 5th, and 6th pullet,  
and 1st Exhibition Yard; also the \$100 Cup for best  
male and the Greenholme Cup, and cash specials  
for best display and for best cock and four hens,  
and for best cockerels and four pullets. A grand  
lot of Brahma Cockerels and Pullets to spare.

White Wyandottes, Promoter Strain. Fifty large  
fine Cockerels for sale at a bargain. Write for  
prices.

Brahma eggs \$5 per setting.

W. Wyandotte eggs \$3 per setting.

H. N. ROLLINS,

R. F. D. No. 2, Box 41 Westboro, Mass.

YARDS AT WOODVILLE, MASS.

13-4

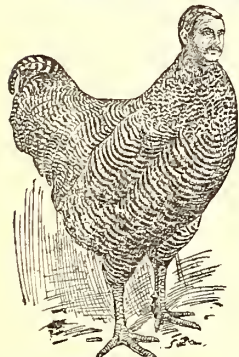


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The finest flavored table fowl in existence. Largest and best flock of this variety in America, as indicated by our winnings at St. Louis, New York, Boston, and Chicago. Eggs from our famous prize winners, \$5 per 15; from utility matings, \$3 per 15; \$20 per 100. A limited number of choice breeders for sale.

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Huntington, L. I., N. Y. 12-8

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14 years a breeder of  
**B. P. ROCKS.**  
White Wyandottes  
S. C. W. Leghorns

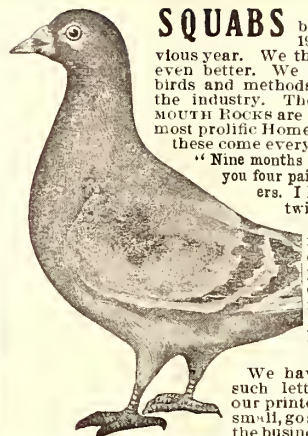
No man's fowls are better than mine. 15

**Eggs, \$1.50,**

from Stock which gets better each year. Let me book your order.

**J. R. RISDON,**  
Riverdale, Md.

Eastern Agent for M. M. Johnson's "Old Trusty" Incubators. We handle a full line of Poultry Necessities. Send for catalogue. 13-4



## SQUABS

We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous PLYMOUTH ROCKS are the largest and most prolific Homers. Letters like these come every day: (Oct 8, '06)

"Nine months ago I bought of you four pairs of extra Homers. I had to move them twice to make room.

Have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers."

W. I. MacRey." We have thousands of such letters. Send for our printed matter. Start small, go slowly and learn the business. The new law in Mass. and N.Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

PLYMOUTH ROCK SQUAB COMPANY,  
334 Howard

Melrose, Mass.



**ALUMINUM PIGEON BANDS.**  
Seamless and open. 12, 20cts 100, \$1.00.  
Sample for stamp.

HARRY E. BAIR, D. F., Hanover, Pa.



## SQUAB BREEDERS

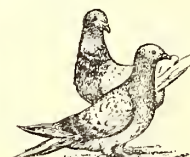
Do you want thoroughbred Homers? Do you want mated working birds? We ship no birds as breeders unless producing young for us. And we give you a list of the pairs showing band numbers of each.

**PASSAIC SQUAB CO.**  
Dept. F PASSAIC, N. J. 12-8

## CHOICE SQUAB BREEDERS

I have a limited number of choice squab breeding Homers mated to go at 75c the pair. Write at once.

**J. W. Somers, Brookville, Ohio** 12-6



## PIGEONS PAY

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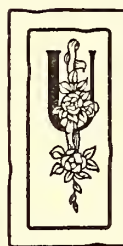
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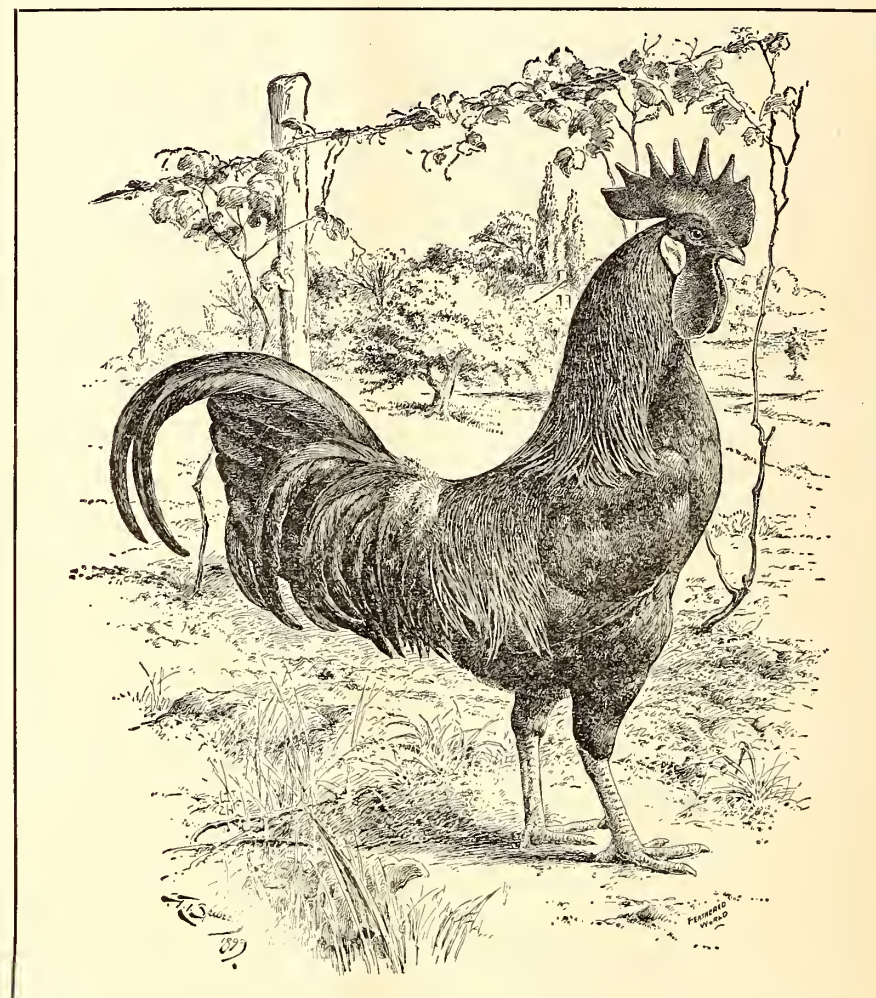
## Australian Ration



UNDER date of November 30, we received a letter from Mr. L. C. Bruce, of Virginia, requesting that we give an account of the ration used in the Australian egg test which closed the first of last April. The writer states that he and his friends are so interested in the report of the Australian test as published in THE FEATHER, that they are very anxious indeed to be informed as to the ration used for feeding the hens during the competition. We quote for the bene-

equal in quantity of the chief staple grains, wheat and maize, the maize crushed, the maize feeding preponderating through the cold weather, and less maize and more wheat throughout the warm weather.

"This is again a good demonstration that maize can be fed to laying hens with good results in egg production. Last year a number of public criticisms showed that the advocacy of the use of maize in feeding is still misunderstood. Although the feeding qualities of bran, pollard, wheat, crushed maize and meat, besides an unmeasured quantity of green



BROWN LEGHORN

fit of our readers the following from the report dated June, 1906:

"The system of feeding followed in previous tests was not departed from, it being in conformity with the simple methods of the ordinary poultry farmer. The birds were fed with exact regularity, which is part of the battle. At 7 a. m. they were fed with bran and pollard mash, the mash being more largely composed of pollard and mixed up with ordinary cold water in the warm weather and hot water in cold weather, twice per week. The mash is mixed with soup warm from the boiled ox liver. At 10 a. m. green stuff is fed daily, rape when in season and lucerne chaffed, and all fed green. The grain feeding was about

food, have been always given, some breeders have shown that the remarks on feeding were read by them as to conclude that the hens received nothing but maize at every meal throughout the year, while the quantities stated show that maize has only formed one-eighth to one-fourth of the bulk of the diet in three competitions while for 1903-4, when maize was fed most largely, owing to the price of wheat being double that of maize, it never reached 50 per cent. of the bulk feeding.

"Then why the necessity of writing on maize feeding?"

For winter eggs feed Bent's Milk Albumen. 11

## BANNER

## POULTRY SUPPLIES

### DO YOU WANT EGGS?

Banner Egg Food and Tonic will start the hens laying and keep them at it all winter when you can get from 50c to 60c a dozen for fresh eggs. One teaspoonful in the soft feed to a dozen hens does the work. You can't get along without it if you would succeed.

Thousands of successful poultrymen will tell you the same thing. Prices 25c per lb; by mail 16c extra. 5 lbs. \$1.00; expressage extra.

An Egg Record, good for one year, free with each box, or we will send you one by return mail if you want it.

**EXCELSIOR WIRE AND POULTRY SUPPLY CO., Dept. T**  
28 Vesey St., New York City.

## Greystones, Black Minorcas, and White Plymouth Rocks

Made a sweeping win at Madison Square Garden 1905, winning 8 out of a possible 10 first prizes; at Boston, 1906, ahead of all competitors, winning the display special on both varieties; at Madison Square Garden, 1907, just held, White Rocks being the banner class, it being the White Rock Club meeting, we won 14 points more than the next highest competitors; cup for best 2 cocks, 2 hens, 2 cockerels, 2 pullets, and 2 pens. Best display, Whitest Male, Best Shaped Male, Champion Male. A few grand breeding and show birds for sale. Also eggs from all our winners. Send for mating list.

Greystone Poultry Farms, Yonkers, N. Y. F. H. Davey, Mgr.

## EGGS FROM LIGHT BRAHMAS AND BUFF ROCKS

That are the equal of any on earth—have the best for hatching \* Exhibition Stock. My Fowls win Blue Ribbons, Specials, and Cups at Boston. Light Brahma Eggs, \$5 per 13. Buff Plymouth Rock Eggs, \$4 per 13.

JOHN L. KERR

Wilton, New Hampshire

12-7



SUBSCRIBE FOR THE POULTRY ITEM, ONLY 25 CENTS A YEAR. C. A. FRICK, FRICKS, PA. 12-6

## Nature Rival Brooder

The brooder that rivals nature, because it has a hover as natural as the old hen. Send to-day for my circular, explaining why they raise more and stronger chicks than other brooders; also why they cost you only 75 cents to \$1 each.

S. G. ROBINSON, JR.  
R. F. D. 15 West Toledo, Ohio 12-8

## Rose Comb White Leghorns Buff Plymouth Rocks

Eight grand matings of strong, healthy, farm-raised birds; eggs guaranteed to hatch, \$1.25 per 13; \$2.50 per 30. Stock at honest prices. Winners at big shows year after year.

L. H. PERRY  
Route No. 11. Clay, N. Y. 13-5

## COTTAGE FARM

H. S. BALL, Proprietor  
BREEDER OF  
Light and Dark Brahmas, Partridge and Bu Cochins, White, Barred and Buff Plymouth Rocks  
Also Buff Cochins, White Japanese and Black Breasted Red Game Bantams  
Fowls and Eggs for sale  
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## Rocks, R.I. Reds, Leghorns, Wyandottes, Minorcas

Bantam Brahma Eggs.....\$1 to \$2  
Per Set, Duck Eggs.....\$1.25 per 11  
Toulouse Geese Eggs.....40c. each  
Every egg guaranteed to hatch. Catalogue Poultry free.

Mapleling Poultry Yards  
PULASKI, N. Y. 13-3

## "Natural and Artificial Duck Culture"

By James Rankin, South Easton, Mass.  
Fifth edition of our book, "Natural and Artificial Duck Culture," enlarged, revised and illustrated, describing the growth and management of the little birds, from the time they leave the incubator until they reach the market.  
It includes food formulas to meet the different stages of growth, also the construction of buildings and management and care of incubators during the process of incubation, as well as our experience for the past thirty years in the business. Mailed to any address, on receipt of 50 cents.  
JAMES RANKIN, So. Easton, Mass. 12-8

## Rose and Single Comb R. I. Reds

Fifteen Fine Pens from which I will sell eggs at \$3 and \$5 per 15. Satisfactory hatch guaranteed.

Chas. C. Reid  
Olentangy Poultry Yards  
Delaware, Ohio 13-2

We have always advocated the use of broken corn or cracked corn and wheat, about one-half wheat and one-fourth of the entire ration broken corn. The presentation as to the feeding in the Australian contest is very concise, and might well be considered, but remember that in Australia at times the thermometer goes to 112 to 115° in the shade, while during the winter months the change from one extreme to another is very great.

We deem it of value to our readers to furnish the summary of the food experiments published in the same report of the Australian contest, also to give to our readers a paragraph on general attention.

1. Maize, oats and wheat show marked differences in the digestibility of several of their respective nutriment.

2. The crude proteid and nitrogen free extract are assimilated in much greater proportion in maize than in oats. The digestive coefficient for the crude proteid of wheat is intermediate in value between the average results from maize and oats.

3. The availability of the crude fat of maize is slightly greater than that of oats.

4. The digestibility of the crude fat of wheat is conspicuously less than that of maize and oats. This fact may, at least in part, account for the ultimate results of a sole wheat diet.

5. Chickens consume a much greater quantity of maize than oats—an important fact to be kept in mind in a comparison of the digestive coefficients of the two grains.

6. The nutritive superiority of maize over oats is indicated by the body weight. An increase is manifested under the use of maize, while a tendency in the opposite direction is seen with oats.

7. The nutrients of maize are fed at a lower cost than those of oats and wheat. The last named grain is the most costly of the three foods. This conclusion is based on the actual availability of the various nutrients of the grains.

8. Regarding the application of these grains in mixing dietaries, the following suggestions are offered: Maize may be included in the main nutrients—that is, crude proteid, nitrogen free extract, and either extract. Oats may be utilized for the crude proteid, and either extract. Wheat may be employed for the crude proteid, and nitrogen free extract, but adequate provision must be made for the deficient yield of this grain in fat.

9. The proteid and fat of beef show high coefficients of digestibility; the former is considerably higher, the latter but slightly less than the corresponding nutrients in maize.

### GENERAL ATTENTION

Next to regular and systematic feeding comes the general attention to the pens. The houses are kept scrupulously clean and are well ventilated, with plenty of sunlight. Swinging roosts and no lumber of any kind in the houses—nothing but the bare floor space, with the swinging roosts just overhead, about eighteen inches from the ground floor, which is the natural soil foundation. The roosts are occasionally oiled with crude kerosene, and no vermin is at any time visible in any of the houses. The nest box is placed outside, and is bottomless. It has hay or straw placed on the natural sandy earth foundation, and the litter is renewed frequently. Tobacco dust of crushed tobacco leaves is strewn in the

Send for sample Bent's Milk Albumen. 12-6

PROF. JOHN EVANS & SONS' REMEDIES, FOR  
Bong, Rattling in the Throat, Canker, Chicken  
Pox, Scaly Legs and Frozen Combs, have no equal.  
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G. P. Pilling & Son Co. Philadelphia, Pa.

## PHIPP'S B. P. ROCKS

Have won wherever shown. White Orpingtons, the greatest of layers. Eggs, \$2 per 13.  
Joseph Phipp, Springfield, Md.  
Shipping station Bowie, Md., near Washington, D. C. 12-8

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S. C. B. Leghorns (Forsyth strain)  
Barred P. Rocks (Park and Congerstrain.)  
35 Choice Cockerels for Sale  
Eggs, \$1.50 per setting; \$5 per 100.  
Satisfaction guaranteed.  
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MAKE YOUR OWN CUT GREEN BONE  
It's a very easy, simple operation with a CROWN Bone Cutter. Green bone makes eggs, and stimulates the hen's productive organs. Cut bone fresh every day. The Crown does it quickly with no bother or mess. 25 years building cutters. Write for free catalog. WILSON BROS., Box 615, EASTON, PA.



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Tells all about practical poultry houses and equipment, how to build them, how to cure diseases, make hens lay and yield good profits. Gives information of decided value to every poultry keeper; Best Lice Destroyer, necessary poultry supplies and prices of breeding stock and eggs which are within reach of all. Book worth far more, but sent postpaid for only 10 cents. Send for it to-day.  
B. H. REIDER, Rheems, Pa.

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714 Twelfth St. N. W. Washington, D. C.

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Prove conclusively that our Reds are second to none.  
1st R. C. Cockerel at New York, 1906; 2d in competition.

Day-old  
Chicks, 15 cts. each.  
1st R. C. Cocker and Hen at Chicago. Stock for sale. Eggs, \$2 and \$3 for 15.  
Send for circular.

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Poultry Yards  
Knightsville, Cranston, R. I.

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GEORGE B. INCHES, Proprietor

SILVER GREY DORKINGS COLORED DORKINGS  
ROSE COMB BROWN LEGHORNS  
NELSON VAUNDELL, Jr., Poultry Manager, North Grafton, Mass, U. S. A. 13-4

### "FAULTLESS"

## HOUDANS

The Fowl of  
QUALITY

Worlds Fair, St. Louis, 1st hen, 1st, 3d cockerels, 4th pullet, 3d pen; New York, January, 1907, 1st cock, 1st hen, 1st chl., 1st pullet. Judge Riggs said: "The four blue ribbon birds were fowls of exceptional merit." Judge Sites, who judged the classes, said the first prize hen was the finest Houdan he ever saw.  
Boston, January, 1907, 2d cock, 1, 3, 4 hens, 1, 2, cockerels, 1, 2, 3, 4 pullets, against seven exhibitors. Remember, blue ribbons are on a side issue with us. We breed for size and heavy egg production. Our fowls have been pedigree-bred from trap nest records for seventeen years.  
Eggs guaranteed 66 per cent. hatch, regardless of distance. Stock for sale. Send 6 cents in stamps for large catalogue.  
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WYANDOTTES AND LEGHORNS.

Hardy, prolific, farm bred, pure stock. For birds (moderate prices) and "EGGS to HATCH" at 10c. each. Write  
WALTER SHERMAN, "FASHIONVIEW," NEWPORT, R. I. 12-8

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Rock House Poultry Farm, Wollaston, Mass.

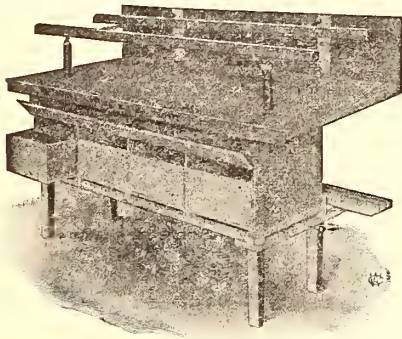
Winners of 1st prizes, Boston, New York, Philadelphia, Rochester, and Cincinnati

Eggs at \$2.50 per 15 Special Matings at \$6. per 15  
C. M. BRYANT, PROPRIETOR 13-5



## Do You Know—

the **POTTER SYSTEM** of selecting laying hens—the greatest discovery of the century in the poultry world? It is a simple, natural and scientific method of picking out the layers from the loafers. You keep only layers in your flock when you use the Potter System. Figure out in dollars and cents your saving and added profit. Our system is used and recommended by prominent judges, editors, and thousands of breeders. Write us to-day and learn what they say about it, and a dozen ways of making more money on your poultry. You can keep fewer hens, get more eggs and make more money if you know the Potter System.



**DON'T BUILD** that new hen house or think of fixing up the old one until you have seen our large, new 64-page catalog on Poultry House Fixtures. The biggest and best ever issued; over 50 illustrations showing hen-house fixtures in three styles and twelve sizes; also "Simplex" trap nests; W. P. attachment, etc. No poultryman can afford to be without this book. For eight years we have manufactured this line of goods. Thousands of poultry houses in every section of the country are equipped with Potter Fixtures. You can have convenient and sanitary quarters, and you can save time, worry and money by using them.

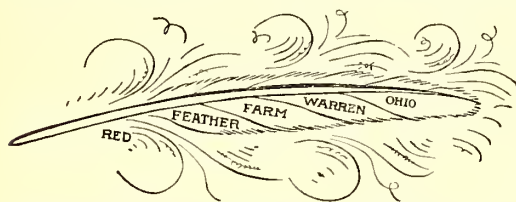
OUR CATALOG tells you how to keep free forever from those pests, LICE and MITES. It has cost us hundreds of dollars but we send it to interested poultrymen for one red stamp, to cover postage.

Write us to-day for free circulars on the **POTTER SYSTEM** and our new catalog. They will please and interest you.

**T. F. POTTER & COMPANY**  
Box 11 Downers Grove, Ill.

## NOW IS THE TIME

to buy your breeding stock, 1000 head to select from. The best we ever bred. Barred White and Buff Rocks, White and Silver Wyandottes, Brown and White Leghorns, Large Bronze and White Turkeys, Big Toulouse Geese, Embden White and Brown China Geese, Large Pekin Rouen and Muscovy Ducks. Largest poultry farm in Ohio. Valuable catalogue. Prize stock. Eggs for hatching from choicest pen matings. 43 firsts 2 thirds 1 fourth, and 1 fifth prize won by our birds at the big Cleveland and Akron shows, January 8th to 12th, making the two exhibits at the same time and Gold Special for best display. **CHAS. M'CLAVE, Box 100, New London, Ohio.** 1-5



### Best Buckeyes in the World

40 scored from 90 to 95 by Orr and Sites Mated for the 1907 Egg Trade. Get the best from the Originator

**Mrs. Frank Metcalf**  
Red Feather Farm Warren, Ohio  
Circular and Club Booklet Free tf

## Blanton's BARRED ROCKS and BLACK MINORCAS

AT THE GREAT WASHINGTON SHOW, 1907

Won 1st on Cock, 1st on Pullet, Plymouth Rocks, in strong competition. Also, 4th Pen, 5th Cockerel, all on strictly pullet-bred birds. No Minorcas shown.

A limited number of eggs sold at \$3 per setting. Send in your cash and get the best.

**CHAS. L. BLANTON**

**East Falls Church, Va.**

12-8

## CUMBERLAND POULTRY YARDS

Breeder of White Wyandottes for Ten Years, Will Give You a Square Deal

Eggs for hatching, 1 setting \$3; 2 settings, \$5, or 50 eggs for \$8. We replace any and all unfertile eggs (free) if tested out on the seventh day and returned to us express prepaid.

**STOCK FOR SALE**  
Dept. A, BRIDGETON, N. J.

## Single Comb White Leghorns

**WM. H. PALMER**

**KALONA, IOWA**

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**GINSENG** Will clear you over \$200 per square rod. Easily grown. Seed cheap. Book "D" free. **T. J. STOUT, EDINBURG, IND.** 12-7

If you wish to start or improve your flock get a setting of

### ROSE COMB R. I. REDS and WHITE PLYMOUTH ROCKS

which I have bred to lay, win and pay. They won at Hagerstown, Washington, Scranton, Pa. and their leading shows and for LAYERS they are unexcelled.

Eggs per setting \$2.50 and \$5; \$10 per 100. Satisfaction and square dealings guaranteed.

**Maryland Poultry and Egg Farm**  
Laurel, Md.

**KARL L. HEUMANN, Mng. Partner**

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**YOU GET WHAT YOU WANT  
WHEN THEY'RE HATCHED**



Lauralma Rocks and Wyandottes. The birds that produce a profit. Gaining in popularity every season. Eggs from either the Barred, Buff, or White Rocks, or White Wyandottes, \$1 per setting of 15 eggs; \$6 per 100 for the incubator. Booking orders now.

**LAURALMA POULTRY YARDS**  
St. Denis P. O., Relay, Md. 12-8

nest, and it acts as a powerful insecticide, while it does not interfere with the nesting of the hens in any way. The water is renewed daily, and the receptacle cleaned out once a week. The eggs are gathered daily at 2 p. m., and all broodiness is at once discovered. The culprits are taken from the nests promptly, and broken off by confinement behind a wire fence at the rear of the original pen, where they can see their comrades. They occupy their time by running backward and forward, looking through the wire until, anxiety being so great, they leave off the brood, and in two days are admitted to their pens, where they generally commence to lay again. The least neglect of the application of this rule would cause the loss of a large number of eggs from the setting varieties.

## How to Tell the Best Layers

Never refuse to sell that portion of your poultry crop that you do not wish to retain. Whenever the laying season is over, and a favorable opportunity presents itself, it is worse than useless to continue to feed beyond the profitable selling period any portion of your flock that you intend sending to market; at the same time, never offer for sale to market any portion of your poultry, unless it is in a good plump condition. In selling exhibition stock or standard bred stock for any purpose whatever, willingly accept a good fair offer when it comes. Do not refuse this and regret it afterward. That you may know the foods and fancies of others, we copy from The Farmer the thoughts of some of the other correspondents:

"To learn how to tell the best layers of one's flock comes only from experience and close daily contact with the fowls. One can hardly tell another how to pick out the best layers, writes H. L. Blanchard, in California Cultivator. The attention can hardly be directed to certain features of the business, which will serve as guides in the matter of making such selection. It is only one of the many details of the business that have to be closely studied in order to master it, even to a fair degree of certainty. The lesson is not so difficult to learn as one might suppose, only requiring close observation and practice. The only way to select the best layers is by elimination, first selecting the lazy birds—the drones. They are generally the last birds off the roost in the morning and the first birds on the roost at night. They may generally be found during the day handy to the feeding place or loafing in some sheltered nook. They generally have a colorless comb, and are fat and of poor form. On the contrary, the layer is off the roost singing and cackling at daybreak, and often before, and when not on the nest will be found rustling and working, either scratching in the litter for the hidden grains or roaming over the pastures and plowed ground in search of green stuff and worms. She has a red comb, a firm characteristic of her breed, a lively and happy disposition, and carries with her an air of importance and usefulness. She shows an interest in her work, and an ambition to pay for her keep and more, too. She shows a love for the caretaker, and evidently likes to be noticed."

**GRAND VIEW FARM**  
Breeder of W. P. Rocks and S. C. Reds. Eggs from show stock, \$2 per 15. Grand utility birds, \$1 per 15; \$6 per 100. Young chicks at 12 cents and 15 cents each. Circular free.

**W. H. LANG, Stratham, N. H.**  
R. F. D. 12-8

**OVERLOOK POULTRY YARDS**  
The home of Barred Plymouth Rocks. Eggs from my prize-winners, \$2.50 per 15. All birds raised on free range. I breed for show only. Send for mailing list.

**GEO. HUSTED, Bridgeton, N. J.** 12-7



**BABY CHICKS and DUCKLINGS**  
Now is the time to order little chicks and ducklings for spring delivery. Write at once for catalogue. **SUNNYSIDE POULTRY FARM,** Box J, R. R. 1, Cromwell, Ind.

## FARM-RAISED Partridge Wyandottes

A few breeding cockerels, \$5 and upward. We handle this variety only. Eggs, \$5—from best pens.

**BIRCH MEADOW FARM**  
Framingham, Mass. 12-6

## Buff Rock Bargains

A fine lot of cockerels and pullets for sale from my famous

**World's Fair Winners**  
Also two fine cocks. Pure nuggets. Satisfaction guaranteed. Eggs, \$5 per 15. Three grand pens of solid Buff birds.

**H. P. MASON, Fayette, Mo.** 12-6

**STANDARD BRED POULTRY** White Wyandottes, S. C. W. Leghorns, R. I. Reds, Barred Rocks and Mammoth Bronze Turkeys. Utility and exhibition matings; highest quality; lowest prices; eggs for hatching a specialty. Stock for sale. Satisfaction guaranteed; catalogue free.

**FAIRVIEW FARM**  
Box 2, Shrewsbury, Pa. 12-3

**ONLY THE BEST BROWN LEGHORNS**  
Males with best stripe in hackle and saddle; females with penciling and color that wins. 60 First Prizes won. Eggs from these winners reasonable. Circular showing Chicago, Boston, Madison Sq. Garden winners, free. **W. H. WIEBE, Box F-2001, Ft. Wayne, Ind.**

**A GOOD ROOF ON YOUR HEN HOUSE**  
Hens won't lay eggs if the hen house is damp and cold—if it's damp it's bound to be cold. Keep your hen house warm and dry. Cover the roof with **"Star" Felt Roofing**  
then watch your hens hustle. "Star" Felt Roofing is made in 1, 2 and 3-ply, especially for poultry houses and will last a life time. Lay it yourself and save money. Write today for catalog, samples and special prices. **STAR INCUBATOR CO.,** Box 608, Bound Brook, N. J. **CATALOG FREE**

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## Valuable Suggestions



**I**N SELECTING your fowls for the coming winter egg production and for next season's breeders, apply every known rule for picking out the best for the purpose intended. Keep those for yourself which come the nearest to your ideal. Never sell the best and keep the poorest; always keep the very best for yourself.

Do not keep on hand the eggs laid longer than three or four days from gathering. Sell them promptly, so that you may obtain the highest price due for fresh-laid eggs. Do not imagine that a lot, some of which are one day and some ten days old, should be crated as fresh-laid eggs.

As fall approaches, one must consider the best means of disposing of the surplus stock, the antiquated, and any that seems undesirable to be kept over the winter. Either fatten or sell these before the molt begins, or keep them until after they have gone through the molt, then fatten and dispose of them. Never gather up your poultry stock and sell it when thin in flesh and undesirable for table purposes; such can never be sold at a profit.

Begin to feed the young turkeys as soon as fall approaches. Keep them growing as fast as possible. If they can make the suitable weight, it is most desirable to sell them in November. If they must be kept later than this, keep them growing continually, for they sell by the pound. The price per pound is graded on the quality of the carcass offered for sale. It never pays to offer thin, bony poultry products in comparison with plump, fat, well favored ones. Many people raise broilers for market, the greater portion of whom do not stop to consider the additional value placed on these broilers when offered if fat and attractive. It always pays to feed the broilers from start to finish for quick growth and plumpness. We have seen broilers of the same weight, one pair sell for 60 cents, the other pair for \$1.25, all based upon quality and appearance.

To fatten these broilers, feed them rich, fattening foods. Mash prepared with scalded milk is highly recommended by some of the best producers; others claim that the use of milk makes a soft, less desirable broiler. The broilers will never get fat while running about on the range; they must be confined and fed strong and fast to plump them into fine condition at from one and a quarter to two pounds each in weight.

The use of the spray pump and white-wash is being much written about of late. The spray pump used for the application of nicely prepared liquid lime wash is very good. To be successful in the use of this, the wash should be strained through a coarse sieve, so that no particles will remain to clog the pump. When scalding hot water is used, it makes a much better wash than cold water, even though the lime make it warmer than when mixed with same. The warmer the wash is when applied, the thinner will it be, and more readily will it work in the spray.

"I wish to say that I am well pleased with The Feather."—Jere J. Witner.

## WHITE WYANDOTTES

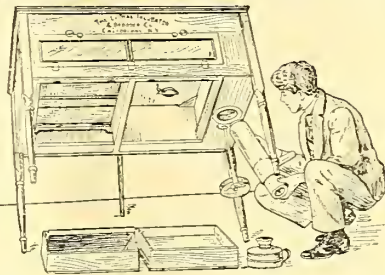
## WHITE LEGHORNS

### Why Pay \$5 and \$10 for a Setting of Eggs

when you can get just as good, if not better, for \$1.50 per setting. My Barred Plymouth Rocks and White Wyandottes are the result of ten years of careful breeding. Eggs shipped safely at any distance.

12-7 WHITE'S POULTRY YARDS,  
East Hyattsville, Md.

## CLIMAX



### Do You Know

About the Climax Incubator—the modern hatching machine? It turns out strong, sturdy chickens, like popping corn. Climax hatched chickens are big, round fluffy fellows, full of vim and vigor—the kind that live and make rapid growth.

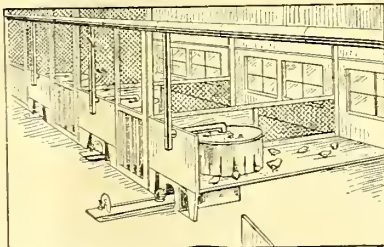
1907

Climax is built of indestructible fiber. The case will not swell or shrink under the excessive heat and moisture the incubator is subjected to. Indestructible fiber has no grain or shaky spots—there are no glue joints, consequently none to open up.

#### Other Exclusive Features

Powerful heater; self locking device to hold it in position; no screws or tools required. Compound Regulator and heat Distributor—after adjusting, a thermometer is hardly necessary. Removable nursery trays with adjustable bottoms. It's a wonderful machine at a wonderful low price:

120 Egg Capacity, \$15.00; 240 Egg Capacity, \$20.00; 360 Egg Capacity, \$28.00.



The Climax \$5 portable Hover as used in brooder houses.

#### New Features of the Brooder

The Climax \$5 portable hover seems to meet the demand for a practical brooder, which can be used anywhere, anytime, and do the work well. Any one with ordinary ingenuity can build their own brooders and use this hover in them. Correspondence invited. Catalogue free.

The Climax Incubator & Brooder Co.  
Box 203, Castorland, N. Y.

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## EXHIBITION and UTILITY STOCK

Pens headed by First Prize Stock Birds at Trenton, Hagerstown, Rutherford, Poughkeepsie, and 4th Prize Pen, Madison Square  
Send for Catalogue. ST. ANDREW POULTRY YARDS, Elizabeth, N. J.

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## BILTMORE FARMS POULTRY

STILL DOING BUSINESS AT THE OLD RELIABLE STAND—SHOW BIRDS AND UTILITY STOCK. Plymouth Rocks, Barred and White; Wyandottes, White, Male Birds, \$3 to \$10; females, \$2 to \$5; settings of eggs \$1.50 to \$3; \$10 per hundred.  
SPECIAL OFFERING—25 Per Cent. Discount on 25 Rough-coated Scotch Collies, 1 Pen Buff Cochins, 1 Pen Golden Wyandottes, 1 Pen Bantam Buff Cochins, 1 Pen Light Brahmas, 1 Pen Red Pyle Games (bantams), 1 Pen Black-breasted Games, 1 Pen Japanese Black Tails, Narragansett, White Holland Turkeys, Toulouse Geese, Imperial Pekin Ducks.

Send for Special Prices.

Address

Biltmore Poultry Yards, Biltmore, N. C.

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## GROUND CHARCOAL

4 special sizes for Poultry and Pigeons. 4 sizes granulated for Filtering, Rectifying, Refrigerating, Gun Powder, Fireworks and 3 finely silk bolted flours for Druggists, Stock Foods, Foundry Facings, Glass Molds, Animal remedies; sure antidote for poison; absorbs gasses quickly and effectually. Purity guaranteed; burn our own coal. Ask your dealer, or write us for samples and prices. Prompt shipment.

### CUSTER CITY CHARCOAL MILLING CO.

CUSTER CITY, PA.

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## TRENTON INCUBATOR CO., TRENTON, N. J.

Successors to The Perpetual Hen Company

MANUFACTURERS OF THE

### "NATURAL" INCUBATORS @ BROODERS

The best machine made, because nearest to nature. Made of paper, best non-conductor of heat and cold. Lighter than wood, fully as strong, and far more durable. Will not warp or shrink, no seams to open. Not subject to climatic changes. Tons of fresh air. Natural air conditions. The Natural will produce the strongest, healthiest, and most vigorous chicks possible. The Natural Brooder constructed on the same principles will raise the chicks. No fumes or gasses in hover-room, and air conditions are right. Hover is so constructed that crowding is impossible. Chicks get the warmth from the top the same as under the hen. No floor heat to cause leg weakness. Combination Broody and Colony House, that can be used to advantage twelve months in the year. Prices cheapest, consistent with excellence of product. Machines are result of twenty-five years' practical experience. Write for Catalogue and prices. Advice on all poultry subjects free. Our guarantee is the most liberal one ever given.

TRENTON INCUBATOR CO., 2 ESCHER ST., TRENTON, N. J.

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## I. K. FELCH & SON NATICK, MASS.

Have for fifty years bred as fine

Light Brahmas, Barred and White Ply. Rocks and White Wyandottes

as any living breeder in America, and this year their birds are as fine as in any previous season, when

101 ENTRIES WON 87 PRIZES

for their patrons, for they never exhibit nor do they steal the awards made to patrons. For circular send to

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I. K. FELCH & SON, BOX 234, NATICK, MASS.

## IDEAL INCUBATORS

### and IDEAL BROODERS

The success of our Mid-Winter Reduction Sale of Ideal Incubators and Brooders has been unparalleled and unexpected. Our factory instead of running half-time as most incubator factories do at this time of the year, has been working full capacity to supply the demand for Ideals who took advantage of our money saving prices.

We know that there are still many who want to avail themselves of an opportunity to buy Ideal quality Incubators and Brooders at these profit-cutting figures. To accommodate them, we are continuing these prices through the month.

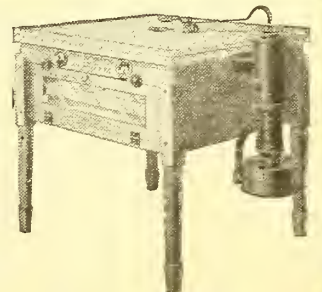
These are all new stock 1907 machines. We had no left-over machines to dispose of even if we wished to. There were times last season when we were over 200 machines behind our orders. We hope through our increased manufacturing facilities to do better this year but the way to make sure is to order now and save money besides.

#### Complete Line of Poultry Supplies

We manufacture and sell everything for poultry raising. Special Poultry Rations; Poultry Remedies; Lice Killers; Brood Coops; Bone Cutters; Drinking Fountains; etc. Let us quote you prices on what you need.

"Poultry For Profit," our 1907 catalog just from the press. 128 pages, handsomely illustrated. Correct illustrations and descriptions of all leading varieties of fowls. Full descriptions of our entire line of Incubators, Brooders and Supplies. A veritable textbook on poultry raising. Send for it today. It is free.

THE J. W. MILLER COMPANY, Box 374, Freeport, Ill.



### SPECIAL PRICES ON 1907 PATTERN

#### Incubators:

240 Egg Ideal No. 3

price \$18.00 now.....\$11.75

120 Egg Ideal No. 2

price \$14.00 now.....\$ 9.00

60 Egg Ideal No. 1

price \$9.50 now.....\$ 7.50

#### Brooders:

200 Chick Ideal Outdoor No. 3

price \$12.50 now.....\$10.00

200 Chick Ideal Indoor No. 2

price \$10.50 now.....\$ 8.00

100 Chick Ideal Indoor No. 1

price \$8.00 now.....\$ 6.00

100 Chick Ideal Outdoor No. 5

price \$8.00 now.....\$ 6.00

#### Poultry Houses:

100 Chick Ideal Outdoor No. 5

price \$18.00 now.....\$16.00

Still greater saving if Incubator and Brooder are bought at the same time.

Write us for Combination Prices.





## YOUNG CHICKS

just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns, White Wyandottes, and R. I. Reds, at 8¢ to 15¢ each. Distance no objection.

Twelve years experience in shipping chicks. Pine Tree Hatchery. Send for circulars and get your order in early.

JOS. D. WILSON, Stockton, N. J.

12-11

## A SEASONABLE OFFER

**Especially Designed to Meet the Wants of Many Readers**

IT IS not often we are able to make such a grand proposition as the one below, but we are desirous of closing the season with not less than 50,000 subscribers, and for that reason we are straining every effort to supply the wants of everybody. You know all about



and the grand work we are doing in the interest of Poultry and Pigeons, and our aim will be to even exceed our past efforts during the coming year. The other paper.



is one of the oldest and greatest of all farm papers. This goes without saying and no further argument is necessary. This is a winning pair and no family should be without them. For a limited time only we are offering

**BOTH PAPERS FOR 50 CENTS**

Please note this offer and send in your subscription while you have a chance.

THE HOWARD PUBLISHING CO.

714 Twelfth Street N. W. Washington, D. C.

12-5

## BIRDS, POULTRY, AND POULTRY SUPPLIES



Incubators, Brooders, and Eggs to produce the Chicks. All to be had of the best quality, at

**Edward S. Schmid's**

712 Twelfth Street, N. W., Washington, D. C.

Sole Agent for D. C. for the Prairie State Incubators and Brooders. Bone Grind-  
ing Machines, etc. Send for my Illustrated Catalogue.



## HOAK O. K. LINE

INCUBATORS, BROODERS, POULTRY SUPPLIES

Where Quality and Low Prices Count

O. K. and Good Luck incubators hatch where others fail. No cold corners. Easiest regulated. Last longest. Require least fuel and attention. Direct acting regulator. Many features only found in the Hoak construction. 10 years experience. Pure Air Brooders. Testimonials in plenty. Free Catalogue. Write to-day.

HOAK MFG. CO., Dept. 3, Cromwell, Ind.

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First  
Cockerel  
Cincinnati  
1906 in a  
class of  
37 and  
First Pen  
Cock in  
Washing-  
ton 1907



## Defandorf's White Rocks

are winners always and thoroughly practical birds as well. He has bred them for 13 years and they are better this year than ever. His latest winnings are 1st, 3d, 4th cock, 2d, 5th chl., 2d pullets, 4th hen, 1st, 2d pen, Washington, D. C., January, 1907. 1st chl., 1st pullets, 2d cock, 4th hen from 4 entries, Pittsburg, Pa., Feb., 1907.

Exhibition and breeding birds at reasonable prices.

Eggs—\$5 and \$3 per 15

**J. F. DEFANDORF**

Garrett Park, Md.

12-7



## Success for the Farmer



SUCCESS for the farmer from poultry keeping must come the same as any other success upon the farm. Mixed-bred corn, cross-bred wheat, badly selected grass seed, poorly cared for land will not bring success, nor will cross-bred poultry, poorly-selected fowls of any kind or badly-fed poultry.

In writing of the farmer's poultry profit, one correspondent makes the following statement: "Every farmer may make one hundred dollars clear money each year from every hundred hens he will keep, provided he will select a pure-bred fowl and care for it. A hundred hens of a well-selected breed, properly cared for, will furnish the farmer's family all the eggs that they will need, and sufficient amount of table poultry, and furnish enough products to sell in the market to pay for their keep, and one hundred dollars for their care."

Every farmer is familiar with the possibilities of profit from other products, but very few of them realize what the hen is doing for them. They never keep account of the number of dozens of eggs consumed at home, they utterly disregard the hundreds of meals provided for the family by the hens themselves. The only thing they seem to realize is that they find fault when called upon to devote a little time and attention to the money-making hen.

If the farmer is not interested in his poultry, he will not make money from them any more than he would make money from his corn crop if disinterested in same. Any fowl, bred true and pure, selected for size, strength and vigor, and cared for, will prove a money-maker on the farm. Too many, however, purchase a promiscuous lot of nondescript poultry, and when they hear their neighbors talk of some other kind that is good, they add a few of these and continue in this way to mongrelize their flocks, until they are of no commercial value whatever. Cross-breeding produces mongrels of every kind, cross-breeding produces bad shape in both the carcasses and the eggs of the product. True breeding produces uniformity and increases the value.

There is no question whatever but that the most profitable, the most economical, and the most beneficial products of the farm are the products of the hen yard. Too much pork is not a betterment to the health. One can not eat too much poultry, health considered. Nothing makes better food than eggs, nothing can be so cheaply produced and so handily prepared for the table as can the egg. The hen is the greatest convenience on earth, the greatest money maker on earth, dollar for dollar, considered on the investment, providing she is well selected, properly housed, cared for, and looked after, for best results.

What the hen needs on the farm is a proper assortment of grain, plenty of room to move about and a good comfort-

able building in which they may dwell and be protected from the storm and cold. There is never any trouble with reference to green food, animal food and grit upon the farm, where the fowls have their freedom. But there is always one drawback which should be entirely overcome, and that is the unusual neglect of cleanliness. The poultry houses are too much neglected, they are not kept clean and free from vermin. A very little work now and then would keep them in perfect condition, but the unpardonable habit of neglecting them until they are overrun with lice and mites is an inexcusable carelessness which always destroys the possibility of an egg yield from any hens that must live in such buildings.

## Hints to Beginners

This month I will try and give a little talk on advertising, as I think there is no subject more interesting to the beginner. This is especially true if he is himself thinking of placing an ad. While there are many breeders who could write more sensible articles than I can, nevertheless I am going to express my opinion. To begin with, any kind of business is carried on by advertising in one way or another. Not necessarily newspaper advertising, but it is some kind of advertising. I know of no business that is more dependent upon advertising than the fancy poultry business. A poultryman in order to make a success must advertise. If he does not use the papers he must choose some other course. He may show his birds and win prizes and exhibit them at fairs, etc., but this as a rule does not sell him much stock alone. You may win prizes and get circulars printed, but if you fail to let the public know it I am afraid you will go hungry for orders. Win all the prizes you can, get your circulars and mating list printed, but tell the people about it by placing a good ad in some good poultry journal like THE FEATHER. Be truthful. That's the best way of advertising. Say enough, but not too much. Don't crowd too much in too small a space. Keep you ad there right along. Don't miss one issue. Have your stationery neatly printed, and when you get inquiries asking for prices on stock, etc., sit right down and answer them. Don't wait, but do it now. Nothing is more disgusting than to wait a couple of weeks for a reply. When the paper has brought the inquiries it has done its share, and it's up to you to make the sale. I think a good poultry journal is the best thing for a poultryman to advertise in, for a man who subscribes for a poultry paper is interested in poultry and is likely to be a buyer. Don't advertise in cheap farm papers unless you want to sell stock at 50 cents each. Treat your customers fair, and you will build up your trade fast and soon be able to dispose of all your surplus stock and eggs.—Plummer McCullough.



BY COMBINING Poultry and Fruit a double product is had from the same space—hence an increased profit.

## Poultry and Fruit



THIS ISSUE of THE FEATHER in years has received equal commendation with that given to the June, 1906, number. In that issue we launched into an entirely new line of thought by placing before our readers the possibility of beautifying the home.

One enthusiastic reader wrote and told us that for years it had been the wish of his life to keep poultry and squabs on his town lot, but that the neighborhood was so attractive and the surroundings so well cared for that they could not feel that it would be right to destroy the beauty of these surroundings with the ordinary kind of hen-coops. After reading carefully and studying the suggestions offered in the June issue for keeping fowls, pigeons, and pet stock, he had adopted one of the plans and had turned the rear half of his property into a beautiful henery, which was entirely hidden away from the street by the beauty of the buildings and shrubbery surrounding them.

This, with the combination plant for poultry, beef, and squabs gave a new thought for those living near towns and villages, in turning their land to advantage. Having been requested to add to this fruit-growing and poultry-raising upon an old farm place where the orchards were being gradually, and the land, which had been over-cultivated, turned into clover, grass, and fruit, we have gathered some illustrations of what has been done by others, which we shall use to illustrate what can be done with a very dilapidated piece of land, providing that it is well located and properly drained. To illustrate how it is possible to enrich a piece of land through poultry-raising we need but point to the success of Mr. Rankins, who grew thousands of ducks upon a piece of barren ground, gradually moving the buildings and the yardways from one side of the farm clear across to the border line on the other side. By this method the worn-out lands were so revived, so improved over what they had been as to change their value from a few dollars to several hundred dollars per acre. While this was being done, a sufficient profit was made from the ducks to entirely pay the total cost of all that had been done for the farm, and for another one of several hundred acres, which we believe has since been improved along the same lines and so

changed from the barren waste of former years as to be at the present time an oasis in that section of the country where it is located. The same results can be had in fruit growing upon any piece of land which has sufficient drainage to make it healthy and which has the proper kind of soil.

There is one question of vital importance relative to poultry-growing, which must have more consideration than it has had heretofore—that is, selection of the proper location and desisting from too close confinement. Also more attention should be paid to cultivating strength, health, and vigor through the introduction of new blood.



THE COLONY HOUSES AND THE FLOCKS WITHIN AN ORCHARD LATE IN THE FALL

Experience has guided the minds of those who give most thought to such subjects toward the belief in the possibilities of the constitutional health of poultry being undermined as the turkey stock has been. They were almost destroyed by the injurious blackhead, which came through neglect of the parent stock, which lost their vitality through indiscriminate breeding, forced upon them by those who failed to renew the life-blood of the flocks by bringing in strong, fresh, non-related birds.

Gathering together overly large flocks and keeping them for egg production, only making use of sufficient males for the reproduction of pullets, and the desirability of improving the egg yield through following in line from the best

laying hens has, we fear, already started deterioration. Because it is of advantage to follow in line from the most prolific laying hens, it is not necessary to follow in line from a single hen. The male birds made use of each year should come from an entirely new line of females, which should be selected for the triple qualities of size, constitutional vigor, and laying abilities. In addition to these, the hens selected as the foundation from which should be produced the breeding males of another year should be mated to males which have been bred from an egg-producing line of equal vigor, but in no way related to their mates. This would be the union of non-relationship.

There has been reported through the press that there is a hen in Virginia which has produced in the year just passed over three hundred eggs, or, as the owner is reported to have said, the hen has laid an egg in almost every twenty-four hours of the year. Whether this is a truthful statement or not, we may use it as a sample. If this hen has produced over three hundred eggs in a year, and is of the proper constitutional make-up, if she were mated to the son of a hen in Maine that produced 251 eggs in a year, or to a son of the one in Utah that produced 267 eggs in the year, the cockerels from such a mating would be most fitting to go with any heavy laying strain of the same variety. Again, should this hen survive, another year mating her with a son of some other old renowned egg-producer would be the starting of a plan that would produce specimens of great strength and vigor, and heavy egg-producers. Nothing is so destructive to live stock produced along the lines of a heavy egg or milk yield as improper inbreeding.

The vitality of the flock of hens may be injured through bad management in a very short space of time. Nothing is more detrimental to the health of live stock than improper housing, bad ventilation, and damp, unhealthy surroundings and buildings. Nothing will destroy health as quickly in both the animal and vegetable kingdom as too much dampness and unsanitary surroundings and bad ventilation.

Keeping large flocks in confined space leads to the decline of vitality from both the soil and the flocks. The soil gradually becomes contaminated, the buildings impregnated with the same contamination, until finally the flocks are kept so





A SECTION OF AN ORCHARD THAT  
HAS BEEN RECLAIMED

artificially in unhealthy quarters and surroundings as to undermine their vitality, and gradually make them much more susceptible to diseases than could possibly be with those compelled to rough it during the entire year in woods or trees. The little sparrow with its renewed vitality coming from the battle with Nature for sustenance, the result of the survival of the fittest, is better able to struggle against disease than fowls kept in unhealthy, artificial conditions.

In changing a piece of barren ground or reclaiming a deserted farm, nothing else will give the splendid returns than fruit raising, poultry keeping, and the growing of squabs will bring.

The farm that we have been requested to turn into a profitable proposition is located on the south side of a gradual slope, which has a drainage of about twenty-seven feet from the crown of the hill, where the old homestead is located, to the extreme base. Across the point flows a narrow stream, the bottom of which is covered with coarse sand and gravel, and the irregular flow makes it possible to dam it, thus gaining a natural swimming pool for water-fowl.

The information gained through observation of the land tells conclusively of the perfect drainage through the sandy, gravelly subsoil. The gentle incline toward the brook lessens materially within two hundred feet of the homestead; the mound upon which the homestead rests can easily be fenced in a semicircle, shutting off the balance of the land from the living premises and the road, leaving nearly forty acres on the gentle slope to the rear of the building. Around this slope might be placed the poultry buildings, not as connected apartments houses, but as stationary colony houses in which the poultry and other live stock would be kept. The old barn to the extreme left, looking south from the homestead, can easily be rebuilt, weather-boarded without and lined with flooring boards within, transforming it into a comfortable barn in which can be kept the horses and the cows, each being separated from the other with a closed partition.

Directly back of the barn is ten acres which should be carefully plowed and sowed with either oats, wheat, or rye—whatever is best for the season of the year. With this a heavy sowing of assorted pasture grasses and red clover seeds should be made. As soon as the seed has been sown in this manner, a heavy coating of decayed manure should be scattered over same with a spreader. This should be followed with the roller, which would level it down and largely decrease the possibility of its being washed away by heavy rains. This ten acres should be fenced apart from the

other thirty with a high, strong wire fence that would keep all kinds of stock save the young chicks alone in this field. Below this about five acres of rough, marshy ground borders the brook; a wire fence should be built on the far side of the brook to confine the ducks and geese and this should be brought up along the fence line to the right and carried across running parallel with the brook so as to fence in about seven acres bordering on the brook. This would leave twenty-three acres to be made use for growing poultry and fruit.

To the extreme right, running parallel with the fence line is about six acres of an old neglected orchard. The trees should be pruned to the quick with hatchet and saw to bring the branch trees into as close range with the trunk as possible. Quite a number of old trees having died, the stumps should be dug out, moved away, the orchard replanted with well-selected apple trees, some Japanese plum trees, circling three sides of same with a border of well-selected cherry trees planted well apart so as not to bring them too close to each other or to the trees now there, thus preventing injury as they grow. Before planting the new trees, thoroughly plow the ground both ways, the second plowing across the first with a cultivating plow. Follow this with the harrow both ways, sow with a mixture of grass seeds, one-half of which should be clover. Sow this with a seeding machine having a fertilizer attachment, and use fertilizer best suited to the locality. Follow the sowing with a top-dressing of well-rotted manure; roll the ground and plant the trees. This orchard can be fenced off from the balance of the plat and used by the mother hens and the broods of young chicks. We illustrated the possibilities of such an improvement where we show the turning of an old orchard into a grass plat in which may be a well-constructed semi-colony house, brooders, and coops for the mother hens and young chicks. Outside of the fence is shown the rough uncultivated, stony ground, showing plainly the conditions present when the renewal of the land commenced.

The balance of this land should be well gone over with the harrow, after which it should be sown with a heavy coating of grass seed, assorted meadow grass with clover is always best. This



THE RECLAIMED ORCHARD

should be followed with a top-dressing of well-decayed manure thoroughly rolled down and permitted to rest for a year prior to being used for the poultry. During this period of time buildings might be erected for the poultry and squabs, the whole ground planted over more or less with fruit trees, selecting those best suited to the locality, always using some peach, plum, cherry, and pear trees. To succeed, all the fruit trees must be well cared for and thoroughly sprayed from the time of planting to the end of their usefulness. Nothing gives equal return in the cultivation of fruit that does the proper spraying of the trees; this prevents disease, decay of all kinds, and insures a strong and healthy crop each season.

By the time the buildings have been completed, the trees planted, the house and barn repaired, a year will have expired, and the trees will have had an opportunity to start well on their way. The buildings being completed, the poultry can be placed therein and the growing of same become an actual fact. By then the grain crop will have been harvested from the ten acres, the clover and assorted grass seeds provided a pasture for about two cows and an occasional run for a pair of horses. Never permit the stock to



THE COMBINATION OF FRUIT AND POULTRY AS IT ACTUALLY EXISTS AT VERNON, CONNECTICUT



get the pasture too short during the first and second season. After that, if properly cared for, the pasture should be strong enough to fully provide for the two cows and an occasional run for the two horses.

The rough and swampy land about the brook should be used for ducks and geese. Only keep as many of these as the land will properly sustain. Nothing is more profitable than ducks and geese if the number is not so large as to necessitate the continual feeding of the geese. If a prolific egg-producing strain of ducks is selected, they will always pay for their keep. And the geese which will gain three-fourths of their living from the grass are sure to more than pay their keep from the feathers sold and the marketing of the young.

Illustration No. 2 is made from one of the best known Leghorn farms of the country. The orchard provides the most healthful spot for growing the young flocks which have been coaxed to

the front portion of the same to be photographed. The two illustrations of the orchards are selected to show the advantages of such places for hens, and to tell of the value of the hens running over lands by the destruction of bugs and worms of all kinds which, in addition, help to improve their size and hasten the growth.

The illustration of the orchard in Connecticut tells of the actual success gained by one who has been most successful in the production of poultry and eggs for market. Those beneath the trees are enjoying with Mr. Tillinghast a summer outing, viewing the poultry over his thirty-five acres, gathering the fruit as they pass about. This is the result of care and judgment in planting the fruit trees and selecting and keeping poultry most profitable for the production of eggs and poultry for market.

The illustration of the section of the orchard that has been reclaimed shows the transformation of a barren waste and the partial renewal

of the old trees that are to be used for sheltering young fowls that will be grown upon the farm another season. The vacant space is used for pasturing the cows. Beneath the trees is grown poultry and a number of pheasants. In such a locality can be successfully grown fruit, bees, poultry of all kinds, and squabs as well, providing the land is reclaimed, properly cultivated, and fenced. Too often the restless haste of those who embark in such an undertaking leads to the entirely too early use of the land to have it proper and right for the best results. The plan presented above will prove much more profitable in the final summing up than engaging in the pursuit upon the piece of barren land before it had been prepared sufficiently to make possible the production of enough vegetation to sustain the growing fowls and to continue to exist under the continual demands made upon it by the live stock could possibly become.

## Barring, Lacing, and Penciling Compared



THE terms employed since the beginning of poultry literature to describe the markings of poultry are most confusing. First came the Penciled Hamburg, then the American Dominique and the Barred Plymouth Rock. All of these are marked with bars dark

and light, drawn crossing the web of the feather, now extending into the under-color to the skin. The original Hamburg known now as the Penciled Hamburg and so designated bears a name that confuses the amateur, who wonders why the barring of the Hamburg should be termed penciling, while in the Dominique and Barred Plymouth Rock they are known as bars. To add to this confusion he is told that the marking of the Partridge Cochin and the Dark Brahma is known as penciling, and too often the confusion is increased by calling the black stripe in the hackle and saddle of many of our fowls, "penciling in the hackle." The true term that should be used in describing these markings may best be enumerated as follows:

The stripe in the hackle or saddle of a male or female should always be properly designated as striping.

The markings of the Dominique, the Hamburg, and the Plymouth Rock, should be known as bars.

The edging about the hackle, the saddle, the coverts or any part of the plumage as in the Silver-laced Wyandotte and the Sebright Bantam, should be called lacing. The lacing is an edging, either light or dark, round the outer edge of the feather.

Penciling refers to the impression of a light or darker shade upon the surface of the web of the feather. This mark should follow the shape of the feather, like that found in the Partridge Cochin, Dark Brahma, or any variety of fowls having the same marking.

In Dark Brown Leghorns the plumage of the female was formerly termed as being penciled with a darker shade of color. This is wrong; This style of marking should be termed stippling,



THE FINISHED WING OF A NOTED WINNER

which refers to small dots or inundations upon out any trace of shafting in the plumage. These black-colored birds have lost somewhat in the surface of a color breaking up into dots of irregular formation. This work is done by the painter by impressing the point of a dry brush quickly against the freshly painted surface. All feathers dotted like the plumage of a Brown Leghorn female should be termed stippled.

In the production of any of these peculiar markings, to have the best one must build up an established line of producers that are so strong in the requirements of the Standard as to feel sure in advance that they will reproduce to a greater or less extent many similar specimens. To do this, equal labor must be expended that is necessary for the production of the best of any other kind. Building up of a true producing strain of Brown Leghorns that will produce males and females of the highest character calls

for as much care and attention in the double matings used as in the production of the Barred Plymouth Rock.

When the black striping in saddle and hackle of the Brown Leghorn was demanded, every conceivable plan was used to intensify the color of the male. One of the most successful strains was built up, or rather improved, through the use of a brilliantly-colored Black Leghorn female. From this cross for many years males of the highest character were produced. The females of this strain were almost as dark in color upon the breast as the back, and the back color was of a deep brownish black shade. Some of these specimens frightened the purchasers of eggs when they came forth from the shell almost black. The very dark ones usually developed into females, thousands of which were destroyed by the purchasers of eggs, fearing that they had secured a mixed lot, little knowing the value of such females for the reproduction of better males.

Building up the strain of females now most popular was accomplished through the selection of the most delicately tinted females, and using them and their male offsprings for future matings. Year after year of careful selection drove out the dark and undesirable shade, and gave us the handsome light-brown surface color with-breast color and considerable in hackle. Even that, however, is being improved through care in selection, and ere many moons go by, some of these specimens of delicate shade will have as beautiful salmon-colored breast and orange-colored hackles as can be found on any of their kind. The Silver-laced Wyandottes are the most difficult of all the laced varieties to produce of good quality. The conglomeration of light and dark shadings in their composition makes the production of the wide open centers without mousing, discoloration, or disfiguration, most difficult. The blood of the Dark Brahmas which courses through their veins continually asserts itself in the mousing of the white centers of the plumage. Ofttimes a pullet, beautiful her first season in the show room as a hen, will develop miserable dark shadings in the center of her plumage. Instances have been known when this





SILVER-LACED PULLETS, FOUR MONTHS OLD

would go during the third or fourth year, and the proper plumage take its place. To produce the best Laced Wyandottes, one must depend upon the male birds with light under-color and very open white centers in the plumage of the back and saddle.

This same open lacing is found in the Polish, where almost as many difficulties must be overcome as in the Wyandotte. The Sebright Bantam, which has been carefully bred for over a century, show the same undesirable mottling of the plumage. No fowl having the laced plumage is free from this disturbing element. There does not seem to be any way to overcome this, except through careful selection and pairing specimens that have been bred for years from specimens showing the least of this in their entire make-up.

In 1898 we wrote an article on the Science of Breeding Laced Wyandottes. To prove how near we came to a rightful prediction we give below an exact copy of our statements relative to them at that time:

The best all-round Wyandotte to-day is the Silver. Its size is good, its form perfect, considered from the utility standpoint, and its color is the best—not white enough to soil, nor black enough to injure for market purposes. It simply needs continued attention to make it as perfect a show fowl as its cousin, the White. Like all penciled or spangled fowls, it must be line bred with considerable care to free its plumage from the bad markings of the present time. There can be no real reason advanced showing why the Wyandottes, both Silver and Golden, can not be brought as close to the Standard line of perfection in color as any barred, penciled, or spangled fowl. The laws of reproduction teach us that in white fowls the pureness of the color can be materially injured in a single year by the use of a male having a yellowish cast in plumage. If this slight cast in color will injure the whole flock, if a slight creamy cast is so injurious, what may we expect to come to the center color of the plumage of our female Wyandottes unless we use more consideration in our union of colors?

Take the one section of the after portion of back of female. How few do we see that have feathers with good centers, free from mottling? We look into pen after pen in our show room, and hunt for the ideal black plumage so seldom found, and wonder why we make haste so slowly in this direction. Many have cast the breed aside simply on this ground. They say the almost impossible task of clearing the plumage has discouraged them from ever gaining the desired quality. Have you given your best consideration to these facts in selecting the birds for your breeding pens or have you overlooked important factors?

The so-called "top color" of the Silver Wyandotte male should be quite like the Dark Brahma,

silvery white in color. Far better not to mate at all than to use males with a brownish gray top color. For years we have struggled to clear the white centers of the back plumage of our females by using males with this smoky top plumage. How often we hear, "The color comes largely from the male, size from the female," and then we proceed to clear the backs of our females with a male whose whole saddle plumage is about as black as if smeared with paint, and then wonder the next fall how it happened.

Why not this year try just one pen, or better, one male and a female off in a corner somewhere by themselves, the female selected because she is the best Silver Wyandotte you own or can obtain. Mate her to a male just as pure silvery white as a Hamburg, if he can be found. Have him a real Wyandotte in every way and pure silvery white, with the clean-cut black stripe in hackle and saddle, the white diamond-shaped center of saddle to be clear and perfect. Study with care what the diamond saddle centers are for a Silver Wyandotte. Be sure you fully understand them. Go over and over the wording of color demands, study it section by section, and see if there are not some thing you did not quite understand, and this may help in gaining the desired end. Only by this close study and care can



AN OPEN-LACED HEN

the much-desired clear cast of plumage be obtained.

The many admixtures of blood in the Wyandotte, both Silver and Golden, must continually be at war with each other. The transfer of specimens from one yard to another brings about continued internal disturbances that can only be lessened or controlled by closing out these faults by careful breeding. Close family unions only should be allowed. Build up four families of your own and transfer them from one to another. But never hope to improve the color of your females by using males with the brownish cast in top plumage.

In Dark Brahmas the best females are bred from males with the light under-color. The best breeding strains of partridge color have the light under-color, and so must the dark under-color of our Wyandottes, both Silver and Golden, be softened considerably to gain the much-desired surface color. Black casts its shadow over every color; its influence is self-asserting, and while we can not obliterate its influence over the tender markings we can often soften and curtail its dominating power, and with care confine it to its own domain. This process will weaken the under-color, and as this is gained the clear top color

in males will be forthcoming and the clearer centers to the females.

The ideal Silver Wyandotte to be used as a breeding bird should be free from brown or any color save the pure silvery white with black stripe. His color should be as pure and true as that demanded for the exhibition Dark Brahma. Consider for the moment your own matings of last season compared with this. Did those of last year produce as you desired. If not, in what respect did they fail. We feel assured it was the same trouble that all have, mottling of the center of the feathers. Why? Was it from that brownish-backed male? Did he pepper the centers of those feathers? If so, have we better colored males this year, or are we still endeavoring to clear up our white center markings with brown?

The same conditions hold good with the Golden. The purer and clearer the top color of the male, the better his females will be. Better by far encourage light under-color in your males especially in the Silver variety, than to continue those dark shadings of surface color on back. Do not become frightened at gray in their under-color, providing it gives you a pure, true silvery white for surface color of back. The same conditions hold control of both Golden and Silver. The same course will improve both, their feather markings being the same. The best handlers of the Golden variety have not only gained the clear golden diamond center in the saddle plumage, but have also the same center in the hackle. These clear centers can also be gained and maintained, with care in mating, in our Silver variety.

The theory is advanced that by making the effort to clear the plumage in this way too much white will be the result. No doubt this will be so in some cases, more especially with those who encourage very large white centers on breast, but those who use care and judgment and keep the black in females bright and pure in surface color and select those in breeding who do not incline to a predominance of white, will gain their desire. Do not try to do this all at once. Do not make the mistake of using males with too much white. The proper males to use are those as clear and clean as possible, that have the distinct black center stripe in both hackle and saddle and that are as free as possible from any show of the dark collar about the neck and dark shading on the back.

Since that time many good laced Wyandottes have been produced, the greater portion of which have come through care and application of rules, most of which were mentioned at that time in the article above quoted.

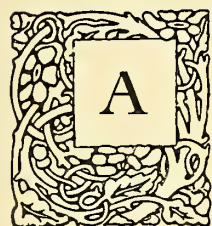


A NEW YORK WINNER





## Squab Producers



GREAT deal has been written for and against the success obtained through purchasing squab breeders from the several advertisers in the country. We have in our possession letters written by B. W. and George F. Lunn, one dated December 21, the other January 17 of this year. We make extracts from these letters for the benefit of those concerned. They write that in February, 1905, they secured twelve pair of breeders from the Plymouth Rock Squab Company. The birds arrived on the 22d of March, and were a fine lot, judging from appearances. "January 17, we now have three hundred pair, one hundred and fifty pair well mated and working, the others, all young birds. We raised all of the young hatched up to September of last year. Since then have been selling the squabs weighing from nine and a quarter to ten and a half pounds per dozen, and receiving from 23 cents to 25 cents for each squab. We feed the best of grain, using cracked corn, kaffir corn, the red wheat, buckwheat, peas, and a little hemp. We also feed a little rice once or twice a week.

"During the molt season we added barley to the regular ration, which was a great help to the birds during that season. We use the self-feeding troughs as represented in the Rice Manual for Squab-growing. The grain is always clean, and we have made the feeding proposition one of the most important of all the cares devoted to the pigeons. We always keep plenty of grain in the feed hoppers, and plenty of fresh water for the birds to drink. The drinking fountains are automatic and are scalded once a week. About once a week we give a tablespoonful of gentian to a gallon of water. [The writer does not state how the gentian is used, but we imagine that he means a tablespoonful of tincture of gentian to a gallon of water.—Editor.] In addition to this, plenty of water is kept constantly at hand for bathing purposes. During the winter we permit them to bathe twice a week at noon-day. One thing most essential when keeping pigeons is to keep them clean. Our houses and nests are cleaned every week, and we always spray the floors, nests and walks with a liquid disinfectant. We have never been troubled with lice, vermin, or disease of any kind in our lofts. For nesting material we use tobacco stems, cutting them into six-inch lengths. We believe this to be a protection or safeguard against lice. We are more than satisfied with the results obtained from our original purchase. We have under construction a building that will accommodate nearly a thousand pair of birds, and we believe the cost of keeping or feeding will not exceed \$1 a year per pair, so that squabs selling at from \$2 to \$3 per dozen is sure to leave us a profit. We received \$4 per dozen for squabs

weighing ten pounds with feathers on in Boston during the week of January 17. We always select the most promising squabs, and save them for future breeders."

From this we have a history of what has been accomplished by these brothers in squab-growing; there are many others who are doing equally well. A number have utterly failed in the growing of squabs, all of which can be directly blamed upon poor management and neglect. Just as many make a failure of poultry growing as fail with squabs. Those who do not succeed are too apt to blame the business and not the way it is handled. Some are compelled to sell their squabs for a dollar a dozen, while others in the same locality receive from \$2.75 to \$3 per dozen for theirs. Squabs can be purchased in the market as cheap as 10 cents each, while alongside of them, often in the same market stall, are better grades that sell readily at 35 cents and 40 cents each, retail. We have little patience with those who attempt to attribute their failure in handling poultry or squab growing to others. The individual care and management by those in charge counts either for or against the success. If birds are purchased with care for the start, well treated through the entire breeding season, and good, strong, healthy squabs are grown, success will crown the effort. If, however, inferior, unhealthy stock is selected, it is badly cared for, poorly managed, improperly fed and looked after, disaster is certain to follow.

At Boston were dozens of cages well filled with squab-producing pigeons, placed there for exhibition. Among these were Maltese, Hen pigeons of several colors, Runt pigeons, Mondaines, also pigeons cross bred from all these top-crossed with the Homers, some of them remarkably heavy in weight; all of them attractive to the eye. In conversation with some breeders who had handled all kinds, the averaged information seemed to be in favor of the general use of large, strong, well-developed Homers for producing squabs, leaving to the expert or well-equipped breeders the handling of the high-class, heavy-weight specimens. We know of some breeders who are using these high-grade birds with the finest results; at the same time we know of others who have failed with them. For this reason it is wise for those unfamiliar with the business to select not more than one or two pair of these expensive kinds, and thoroughly studying them by producing from them a number of pairs of squab-growers for yourself. Learn their ways, and the best methods of handling them by caring for a few, and then slowly increasing. Make haste slowly, and learn to care for them by starting in with a few birds rather than to become disgusted and dis-

appointed by failing to understand how to handle a number of them. Runts and Hen pigeons are naturally slow producers; they gather fat, and are often neglectful of their young. They must be handled like the Cochins and Brahmas for best results. Keep them at work and busy, and prevent their becoming too fat.

When at Hagerstown a short time ago, we conversed with one who undoubtedly has been more than successful in squab growing. We asked him to tell us wherein he thought lay the secret of his success. He told us many interesting things which we shall attempt to repeat to our readers. First of all he had a remarkably good location. The buildings were large, well exposed to the rays of the sun, comfortable, and the enclosures large and well sheltered during the summer months.

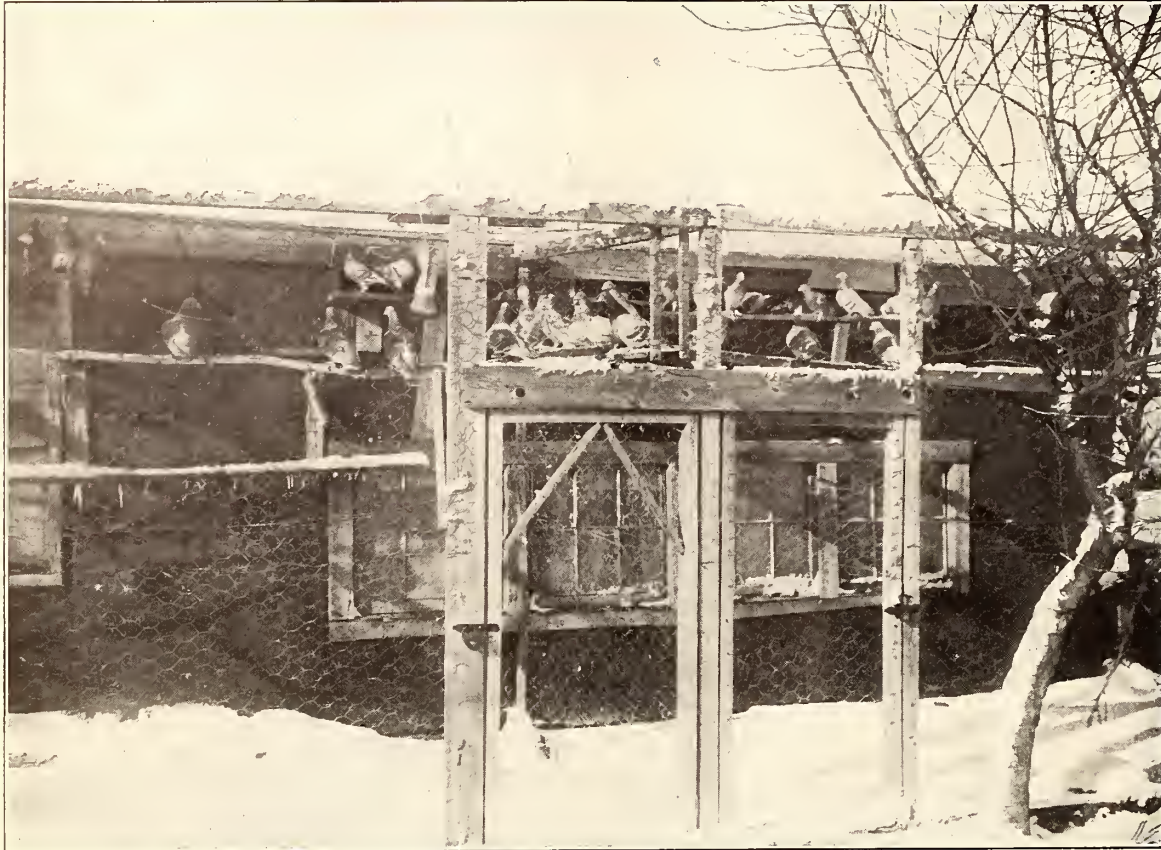
The largest and healthiest Homers to be obtained were made use of at the first. These were crossed with Homers, Hen pigeons, Mondaines, and other large varieties. The largest and most vigorous of all were used for producing squabs. The original matings were kept intact for the purpose of producing additional stock birds and for furnishing pairs to sell to others for breeding purposes.

In this way a loft of several hundred pair of breeders has been successfully grown, which have been thoroughly culled so as to leave only pairs that will produce not less than twelve young during the year, all of which will average from fourteen to sixteen ounces each when but four weeks old and ready to send to market.

These squabs are sent to market and have sold for not less than \$2.50 per dozen during the summer months, and as high as \$4.50 to \$5 per dozen during the winter months. Climatic conditions favor the production of more than an average number during that portion of the year when they bring the highest prices. One man has full care and control of the entire loft, two hundred pairs of which have produced in the last year over two thousand squabs, which have sold at an average of 25 cents each, bringing a return of \$500 from these two hundred pair. Allowing \$1 a year per pair for feeding, they would give a net profit of \$300 per year from these. The same care and attention bestowed upon the original fifty pair or more that produce the stock for breeding, and selling for that purpose, have produced about two hundred pair or more, half of which were sold at from \$3 to \$4 a pair, two hundred at an average of \$1.50 a-piece, would be an additional \$350, making over \$650 clean profit from this lot of pigeons.

This we consider one of the most successful pigeon lofts in the country. We can not confirm all these statements. We are, however, led to believe that they are within the possibilities of every one who would take hold of and give careful attention to the proposition. But to succeed in this way, one must be a well-informed pigeon fancier, have had experience in handling





LUNN BROTHERS' SHED-CONSTRUCTED LOFT

pigeons, have a locality favorable to the venture, and be absolutely free from all ailments and pests and destroyers that might possibly visit the pigeon loft.

Some of the most common drawbacks in handling squab-growers is canker, catarrhal colds, roup affections, and "going light." These, with chicken-pox, are all of kindred nature and entirely too prevalent among the stock used for growing squabs. We believe that it should be possible to take criminal action against any one who sells to another a stock of squab-growers that have been exposed to or are affected with any of these ailments. We know of several breeders who have been sorely tried within sixty days through purchasing a lot of breeding stock that were placed in a new loft, but developed canker and like ailments to such an extent as to utterly destroy the further usefulness of the whole lot. It is an absolute certainty that the sale of diseased pigeons brings to the seller as many dollars as he has charged for them. But in addition to this it oftentimes places over his head the curses of the neighborhood. We would willingly join in union with any given number of responsible people who have been badly treated in this way to aid in bringing to punishment any who would wilfully be guilty of such offense. But on the contrary we would quite as willingly take issue with those who are well treated, but who complain and find fault with the seller who has treated them more than fairly, the fault, if any, entirely resting with the purchaser. Many purchase birds and place the consignment in damp, badly-ventilated, unhealthy lofts, give them but indifferent treatment, pay little or no attention as to the important question of mating, trust the whole proposition to luck and poor management, and then find fault and complain of and abuse the seller, who is in no way responsible for their failure. Undoubtedly the seller who wrongs the purchaser should be held to account. Unquestionably those who complain and make public accusations when the fault is all their own are equally blamable, and should receive the

same kind of punishment that they ask to be dealt out to others. "Any one," remarked a pigeon fancier of late, "can select a rooster from a hen in chickens with his eyes shut. No one," said he, "within our knowledge, can select beyond question the male from the female pigeon. The only absolute way to be certain of this is to have them thoroughly mated before they are sold, ship them in a separate box, and charge the purchaser their true worth. If, however, we should

do this, no one would be willing to pay the real value; it is the purchasers themselves who force the low prices, and expect to receive from others four times as much as they give for the same value. I know that we should not send fifty pigeons and call them twenty-five pair in the accepted sense of the proposition. However, two being a pair, they have been sold in this way for years, and unless a purchaser should say that he wished to buy a male and female well mated for breeding, he would have no recourse if a man sent him fifty pigeons and called them twenty-five pair."

All of this helps to present both sides of squab growing. People who purchase a pair of squab breeders for \$1.50 have scarcely paid for them the actual cost of feeding and caring for two pigeons for the year. When they purchase them, desiring to have well mated working pairs, a male and a female, they should so state in their letter, have them properly mated, shipped in separate packages, and when received they should shut them up in breeding coops and keep them thus separated and alone until they become familiar with the loft. Four pairs that may have been well-mated before they left home, if all placed in the same box, shipped a journey of forty-eight hours and liberated in a loft, might each and every one of them become separated and not continue with its mate. With such possibilities ever present when purchasing squab producers, every one who purchases them should have his own mating coop and see to it that the pair are properly mated before they are liberated in the loft. In this and in no other way can they be absolutely certain of having breeding pairs that will give no trouble when liberated in a strange loft. If you can not tell the male from the female when you receive them, can you demand that the shipper shall know this when it has been stated so many times in the public press that no living man can be absolutely certain of the sex of pigeons, unless the gender has been proven through them pairing and remaining constant?

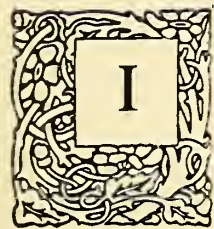


HOME OF SECOND YEAR'S CROP AT LUNN BROTHERS' LOFT





## The Care of Young Chicks



IN OUR last issue we presented plans and methods for growing young chicks with the mother hen. That the artificial plans may have due consideration, we add to what we said before of the possibilities of making use of the incubator for hatching and of both

the brooder and the mother hen for caring for the young chicks.

Having said much of late relative to artificial incubation and the machines themselves, we scarcely deem it necessary to go further with this than to say that when the broods have been successfully produced by the incubator, they may be removed either to the brooder or to the mother hen, as seems most desirable by the owner. We illustrate here the possibility of the brooder and the mother hen as an agent for rearing and caring for the young chicks. In one illustration is the hen with the promiscuous brood given her as the overflow of an extensive hatch from the incubator. These are of an indiscriminate kind hatched for the purpose of market poultry—the brooder's overflow. Thus, these were selected and given to the white hen who had but a few young chicks of her own kind. This brood was successfully raised by the hen, which proved to be a blessing to the owner of the brooders which were not large enough for the accommodation of the whole force.

In the other two illustrations, we present White Plymouth Rocks being raised for exhibition purpose. These were grown by Mr. Defandorf, near Garrett Park, Maryland. The large number were hatched and reared in the brooder as shown; the smaller lot were cared for by the hen. Both of these were successfully handled.

The advantage of the brooder is that it is always ready to receive the young chicks when hatched by the incubator. The young chicks can always be kept warm and dry within the brooder. No weather can disturb their comfort while kept within the covered runway of the brooder. They may be turned out in the morning for a few hours. At the approach of inclement weather

they may be driven within the brooder, the doorway closed, and there they are protected from all outside dangers and inclement weather with perfect safety and but little trouble. There is no more trouble experienced in caring for a brooder containing fifty or sixty young chicks than is there in caring for a mother hen with one-fifth that number. Equal attention given to the brooder enables one to handle a much larger number than can be taken care of by the mother hens. Every poultry grower that makes use of

management of both is good, both will be successful. The greatest advantage is the large number that may be successfully handled in the brooder with the same trouble, labor, and care that would be used to grow to completion a much less number with the mother hen.

Those who purchase brooders and incubators should give the strictest attention to the directions that come with it for managing same. No one can hope to succeed in the management of artificial machinery who are not willing to follow the directions. Those unwilling to abide by the directions of the manufacturer of the machinery court failure; it is necessary to follow the exact directions. Those who fail must admit lack of proper management when they know that others use the same machines with splendid results. It is absolutely established that millions of young chicks are successfully grown to maturity by the use of artificial machinery. It is equally well-known that many amateurs fail in their attempt to use them. The results prove to a certainty that failure comes as the result of bad management and not because there is any question as to the possibilities of success through artificial methods.

In feeding and caring for the chicks in the brooder, the same dangers are to be guarded against as when the natural way is followed. If the brooder becomes overheated, the chicks will be destroyed because of the excessive heat. If they are permitted to get chilled and grow cold through the neglect of the lamps, they will die of this exposure, the same as they would if exposed to like conditions with the mother hens. Dry feed, or rather the use of small broken grain or chick foods, are most satisfactory. In our article published recently relative to growing chicks with the mother hen, full directions as to feeding were given. The same is essential when growing chicks through artificial methods.

Those growing chicks for exhibition should always use both methods of hatching and rearing young chicks. This gives them the advantage of placing the eggs in the incubator as soon as produced with the brooder as a ready mother for the young chicks, as well as hatching and rearing



THE BROODER AND CHICKS

brooders also uses the mother hens more or less. This gives them the advantage of comparing the work accomplished by both. It is of great benefit to know whether the chicks from the brooder or the mother hen are the best. Whichever plan produces the best for exhibition is usually made use of by the individual fancier, some claiming their best specimens always came from the brooder chicks, others claiming that the hens do the better work. There is no reason why one should not fully equal the other. Where the





THE MOTHER HEN WITH HER OWN BROOD

by the mother hen, and growing them in brooders, coops, and colony houses, all of which are best under certain conditions. When the season is excessively dry, the mother hen will do the most efficient work. In ordinary seasons, honors are even. When the weather is excessively damp, the brooder and the brooder-house system has the advantage. No one can hope to grow a large number of chickens or ducks without the use of the artificial methods. No one can hope to prosper in catering to the market trade unless they use the artificial method of hatching large numbers of eggs. Broilers, young chicks of all kinds, market poultry must be grown in numbers and quickly grown and prepared. This can only be done through the use of hatching machinery. Nothing else can be ready at any time during all seasons of the year but the incubator. The incubator and brooder have come to be a blessing to the world from the fact that they have made possible the production of a sufficient amount of poultry and eggs to satisfy the wants of the markets of the world. To return to the old plan of using the mother hen only would be quite as impossible as to desert the railroads and return to the old stage coach and canal boat in traveling.

We copy the following from the Journal of Agriculture, believing that the merit of this article warrants presenting it to our readers, if for no other reason than for the reference made therein to handling the machines in the higher altitudes:

"Eggs incubated in February, March, and the early part of April frequently show a large percentage of germs that die anywhere from the eighth to the sixteenth day. The cause is generally attributed to weak germs caused by too close inbreeding—too close confinement, with too little exercise, or to improper feeding of the breeders, the theory being that the germs of eggs from such stock are not strong enough to withstand the various changes during incubation.

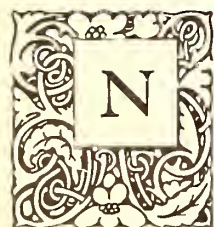
"Notwithstanding this plausible explanation of chicks dying in the shell, the fact remains that chicks will die in the shells of eggs from stock that is known to be all right, and the very fact that eggs from the same pen will hatch well in one incubator and the chicks will die in the shell in a different machine ought to disprove this theory, and cause us to look elsewhere for the real cause. Too low or too high a temperature, it is known, will affect the hatch, as well as too much or too little moisture, but the real cause of

chicks dying in the shell is doubtless lack of proper ventilation. During the first four hours of incubation the germ will develop with very little ventilation. After the fourth day the air cell begins to form, and then more ventilation is necessary; on the seventh day the germ requires local condition. In cold weather, more heat and less ventilation; in warm weather, less heat and more ventilation. At an altitude of five hundred or one thousand feet, more ventilation; at an altitude of four thousand feet or more, less ventilation. In extremely dry weather or in a high altitude, about the same quantity of ventilation is required the third week as during the second week.

"Unfortunately, the ventilation of almost all makes of incubators remains practically the same from beginning to end of the hatch, and while it may be right at one stage of the hatch, unless changed to meet the necessary conditions, it will be entirely wrong at another. As the germ develops, it must have more air and unless this is provided, suffocation follows and the chick dies in the shell. If the system of ventilation is such as to cause draft, it will cause the eggs to dry down too fast, and this will cause the membrane to become so tough that at hatching time, the chicks will be unable to break through, and often they will die in the shell after pipping.

"In high altitudes, although the ventilation be perfect, unless moisture is applied, the eggs will dry down too quickly, and the membrane become so toughened that a good hatch is impossible, as frequently the chicks will die on the twentieth or twenty-first days. In an altitude of more than two thousand feet it is quite safe to apply moisture from the beginning of the hatch until the fourteenth day, at which time the air cell should equal one-fourth to one-fifth the size of the egg. If less than this, take out the moisture pans; if more than that, leave them in. In an altitude of only a few hundred feet it is rarely necessary ever to supply moisture, but more ventilation is necessary. I do not, therefore, believe that weak germs are the cause of chicks dying in the shell, and I doubt much if hereditary weakness is shown before the chicks are a week old. If there is hereditary weakness, it may be looked for after that time."

## Mediterranean Fowls



EXT IN popularity to the American breeds are the Leghorns. White and Brown Leghorns, both single and rose-combed, have become most popular throughout the country. We presume that there are more White Leghorns kept for egg-production than any other one breed of fowls. Following these are the Brown Leghorns, and at the present time the Buff Leghorns and the Anconas are having considerable attention. Scarcely any one familiar with poultry, but who is not well acquainted with the Leghorn family. The Anconas are Leghorns that have a broken black and white plumage, the same as have the Houdans. These are the new variety of the Mediterranean family, and in some quarters are having considerable attention.

Some few breeders are making a specialty of the Buff Leghorn for producing market eggs. A number of poultrymen produce the Buff Leghorns as a fancier's fowl. All of the varieties

of Leghorns, the White, the Brown, the Buff, the Black, the Silver Duck-wing, and the Ancona are fostered and kept to the very highest degree of shape and color for exhibition purposes. Fortunes have been made in growing these as fancy poultry. This is perhaps more easily done than with other breeds from the fact that there is a ready sale for all the Leghorns that are produced. When the best have been selected for exhibition purposes, the balance are used for producing eggs for market. The white shell eggs usually bring the highest price of any eggs that are sold into the market, especially during the winter months when there is such a demand for fresh-laid eggs. There are many points of excellence in the Leghorn that must have special attention for exhibition purposes.

The most desirable of these is the beautiful head, comb, and ear-lobes. The ear-lobes of all the Mediterranean family must be of pure enameled white. The combs must be fine in texture, beautiful in color and nicely shaped.

There is a peculiar shape to the head and comb of the Leghorn that is most attractive when of the best quality. However, when ragged or rough in appearance, it detracts very much from the specimen. Following these head points comes the shape of body and the carriage of tail; the squirrel tail is most undesirable, while a slight downward inflection or carriage of the tail is becoming quite popular. In addition to this, the White Leghorn must have beautiful, clear, white plumage, yellow shanks, and beak. The Brown Leghorn must have the rich colors of the Black Red Game fowl, with yellow shanks and beak, the Buff Leghorns must be as rich and true to color as are any of the buff fowls. The Ancona is a beautiful combination of broken white and black. The Black Leghorn has a rich, glossy black color, the Silver Duck-wing is colored and marked the same as are the Duck-wing Games and in addition to these, there are at times seen Leghorns having the same color and marking as have the Pyle Games.



## Pinetop Poultry



URING the Auburn show week we had the pleasure of making the acquaintance of Mr. J. C. Hallock, the owner of Pinetop Poultry Farm, which is located at Hartwood, Sullivan County, N. Y., where are bred beautiful Barred Plymouth Rocks, attractive Single-combed White Leghorns, and beautiful Buff, White and Black Cochins Bantams. Mr. E. E. Winchell, in charge of the farm, was at Auburn, having in charge the display from the farm. The February issue gave a complete list of the winnings of the specimens of this farm at the winter shows.

We were more than attracted toward the display of White Leghorns, and was favored by Mr. Hallock with the privilege of using his first prize Syracuse pullet as a frontispiece for the March issue of THE FEATHER. This front-page illustration was made from a photograph, the picture showing what was used as a back ground for the bird. This Leghorn might well be accepted as an ideal typical high-class exhibition Leghorn female. Her equal is seldom seen, and but few like her have been noticed this season. Study her comb, head points, full breast, well-shaped back and abdomen and the proper poise of the tail, and you will realize the type of a Leghorn she must be.

In addition to this, we have been favored with an illustration of the Barred Plymouth Rock pullet, which has been pronounced one of superior character. This illustration, just finished by Mr. Shilling, is pronounced by him as the nearest thing to the ideal type he has photographed the past winter. These two females are typical of the style and kind of birds shown from this farm the past season. We have been informed by Mr. Hallock that his purpose is at all times to continue to select the best for use in his breeding yards, from which will be furnished to his customers eggs for hatching the same as he will make use of himself. It is not our purpose to tell what Mr. Hallock has at Pinetop Poultry Farm for his customers; any one who will write there will receive directly from him circulars telling of his winnings and what he is prepared to sell. Our interest is in the stock selected and kept at the farm. We saw the Barred Plymouth Rocks, the White, Leghorns, and the Bantams, and can say without hesitation that they are well deserving the records gained in the show pens.

The equipment of the farm is excellent, the management good. Everything that can possibly be had in the shape of buildings and conveniences for caring for the poultry has been supplied. Their records extend over from the fall of 1906 to the present time. They won at Madison Square Garden this winter. When one can win prizes in such classes as were shown at New York in the past season, no one need hesitate to believe that there is quality in the stock. In our January issue, we made more or less comment relative to the exhibition quality of White Wyandottes. We were put to the crucial test as to what might be considered the proper comb and other type

characteristics of the Leghorns. In reply to this, we would point to the presentation on the cover page, and answer our questioners by saying, Does not this comb lay on the head as described in the Standard? Are not the two forward points properly poised? Are not the comb, wattles and ear-lobes as described in the Standard? This same character of comb, wattles, ear-lobes, breast, back, body, tail and leg formation should be upon every Leghorn, no matter to what variety they belong. The same must be thoroughly carried out in the male line to be a true Leghorn. Each and every Leghorn male and female of all varieties should be the same in breed characteristics. We have done what we can to present this for your consideration in the female. When the opportunity affords



Third Prize Pullet Madison Square 1907  
Bred & Owned By  
PINE TOP POULTRY FARM HARTWOOD N.Y.

### BARRED PLYMOUTH ROCK

we shall hope to do as well with the male.

The illustration of the Barred Plymouth Rock presents a female of character in every point, except that the specimen being young and rather immature, shows a more delicate formation than we should select for the typical female. Notwithstanding all this, we can assure our readers that many of the specimens shown from this farm were of the strongest and most rugged constitutional make-up. Size seemed to predominate throughout the birds shown. This specimen was selected for her beauty of type, general make-up and attractive plumage. In the Barred Plymouth Rocks of the present day, one of the most attractive features is beauty, color, barring and marking of plumage. The clean, clear, close-cut barrings showing a distinctive bluish-black and very light gray colors presents that attractiveness so much admired, so hard to produce, and so valuable when it is the proper finish. For these reasons, this pullet was undoubtedly selected to show the elegance of finish and attractiveness that may be produced on beautiful Barred Plymouth Rock pullets.

Good Cochins Bantams have been very scarce in the exhibition hall the past

Continued on page 28

## CLASSIFIED ADS

Fully prepaid advertisements of twenty-five words or less inserted under this heading at the following rates:

One time.....	\$ .50
Three times.....	1.00
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One year.....	3.50

### READ CAREFULLY

Copy may be changed as often as desired, though we advise running a standard ad when possible. In order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 11-3 cent each for each insertion when run three times or more. Figures count as single words.

### PLYMOUTH ROCKS

Hazeldine's Barred Plymouth Rocks. A Few choice cockerels for sale at \$3 and \$5 each. These cockerels are sired by the first and third prize cockerels at Scranton, Pa., 1906, and are brothers to my Scranton and Philadelphia, 1907, winners. Eggs from carefully mated pens, \$3 per 15; \$5 per 30. J. H. HAZELDINE, Bloomsburg, Pa. 12-8

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Buff Rocks Exclusively. World's Fair Winners. More prizes at state fairs 1904-05-06 than thirty competitors combined. Breeders or show birds from my second Madison Square cockerel; thirty-five competing. EDGEWOOD FARM, Ballston Lake, N. Y. 12-8

Barred Plymouth Rocks Exclusively. Stock for sale. \$2 each; \$5 a trio; \$18 a dozen. J. F. SMITH, Remington, Va. 12-5 3t

White Plymouth Rocks, Fishel Strain, a Few fine cockerels, \$1.50; eggs, \$2 per 15. Satisfaction guaranteed. KENYON BROS., Box 13, Elkland, Pa. 12-6

Danford Pure Blood White Rocks, the Kind That lays in winter as well as in summer. Choice cockerels and pullets, \$10 per trio; eggs, \$3 per 15. I. W. DANFORD, 2001 N. Fourth St., Columbus, Ohio. 12-6

"King Quality" Strain Buff Rocks. Bred for business and beauty. Fine stock for sale. Egg orders booked now. Prices reasonable. E. T. DAILEY, Albany, Ohio. 12-6

Barred Plymouth Rock Hens Hatched and Raised from America's prize winners. Early to late birds at \$1 to \$2. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-6

For Sale.—Thoroughbred Barred Rock Cockerels, fine in color, shape and barring, of breeding age, \$1.50 to \$4 each. A. W. NEWCOMER, Glen Rock, Pa. 12-6

Only Buff Rocks Since 1895.—State Cup Winners 1904; Boston, 1905, 2d pullet; '06 1st pen. Stock for sale. P. W. NOYES, Quaker Hill, Conn. 12-6

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. WYSONG, Bank Cashier, Pithlan, Ill. 13-3

Barred Rocks, S. C. White Leghorns, Bred for utility and beauty, great winter layers; few fine cockerels and pullets for sale; eggs in season. R. J. CADLE, Reisterstown, Md. 12-6

Spring Lake Poultry Farm of Oakland, Ill., has largest and best flock pure Bradley Bros. strain of Barred Rocks in the Mississippi Valley. Stock for sale. Eggs, cockerel or pullet, mated, \$2 for 15. Catalogue on request. JOE H. WINKLER. 12-6

("Ringlets") Barred Plymouth Rocks, Thompson's strain direct. Selected and bred for superior egg production from a strain of heavy winter layers, Standard bred in weight, shape and color. Eggs, one setting, \$2; three settings, \$5. THOMAS LOBB, Route 1, Peekskill, N. Y. 12-6

First-class Barred Rocks. Trios and Pens. Eggs, 1 sitting; \$4 hundred. MISS H. W. ROBERTSON, Bel Alton, Md. 12-6

Barred Plymouth Rocks, Bred for Beauty and utility. Stock and eggs; choice matings. Send for circular. WM. P. CLARKSON, 308 LeMoyne St., Syracuse, N. Y. 12-6

Hilliest Farm's Silver Pencilled and Partridge Plymouth Rocks, winners at World's Fair, Madison Square Garden, Trenton, Wilkes-Barre. Stock for sale. Eggs, \$2 per sitting. Mention The Feather for an extra egg. WM. F. FOTTERALL, Oakford, Pa. 12-9

Barred Plymouth Rocks, Champion Lady May stock, winner of first three specials and \$100 challenge cup, Boston, 1906. Cockerels and pullets, \$5 each and upward; eggs, \$3 per 13. JOHN CAMERON, Beech St., New Bedford, Mass. 12-6

Barred Plymouth Rocks. Eggs and Stock in Season. Eggs, \$1 and \$2.50 per 15. WM. R. ROLLSTON, R. 9, Box 24, Springfield, Mo. 12-6

My Buff Rocks Are Winning Blue Ribbons This winter as usual. Stock for sale. Eggs, \$2 sitting; \$5 per 100. NELSON BRUSIE, Salisbury Mills, N. Y. 12-6

White Rocks of the Correct Type. Winners all ways and thoroughly practical birds. First and third cockerel, Cincinnati, January, 1906, from two entries in class of 37. Winners in all classes. Washington, D. C., January, 1907. Stock and eggs for sale. J. F. DEFANDORF, Garrett Park, Md. 12-5

White Rocks Direct from U. R. Fishel. Eggs, \$2.50 per 15. Single-combed White Leghorns, eggs \$1.50 per 15. MRS. F. B. BRUCE, Jay, Essex Co., N. Y. 12-7

10 Cockerels, 20 Pullets, Barred Plymouth Rocks, \$2 each; 1 cock, 4 hens, \$20. N. B. WARNER, Hamilton, Va. 12-5

Barred Plymouth Rocks (Bradley Strain), Carefully selected matings from prize winning stock. Eggs, \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Props., Hagerstown, Md. 12-7

Buff Rocks—Originated by J. D. Wilson, Box C, Worcester, New York; winners since '93 World's Fair; Troy, Rochester, N. Y.; 7 years Madison Square Garden, New York; Boston, Mass. Birds from \$2. Best Eggs \$5 per 13; \$8 per 26; \$10 per 39. 12-7

White Plymouth Rocks. My Birds Won Very Near every premium offered in this class at the recent Greensboro and Charlotte Poultry Shows, and are the quality that will win anywhere. Have a few vigorous and snappy cockerels for sale at reasonable prices. It will pay to head your flock with one of these birds. Eggs, \$3 per 15. Y. E. SMITH, East Durham, N. C. 12-7

Eggs for Hatching from Exhibition Barred and White Rocks. Satisfaction guaranteed. Write for circular. Incubator eggs furnished. FLORIS HILL POULTRY YARDS, Floris, Va. 12-7

For Sale—Barred Rock Cockerels and Pullets, scoring from 89 to 93 honest points at honest prices. Eggs, from choicest matings, \$2. Write. D. M. McQUEEN, Box C, Bowerston, Ohio. 12-7

Golden Buff Rocks, Buff to the Body, Right shape; great layers. Eggs from best matings, \$1.50 per 15. GEO. M. ALEXANDER, Station C, Toledo, Ohio. 12-7

Buff Plymouth Rocks Exclusively, Bred from prize winners. Eggs \$2 for 15, pen 1; \$1.50 pen 2. Also a few cockerels; prices low. FRED ARMER, Ballston Spa., N. Y. 12-7

Barred Rocks Exclusively—Three First, One Second at the great Daltown Show, December, 1906. Eggs \$2 per 15; cockerel and pullet matings. GEO. W. STUMP, Springdale, Pa. 12-7

Buff Rocks Exclusively.—I Bred, Raised, and showed first prize Cockerel at Madison Square Garden, 1907. Birds that I raised have won 6 firsts at Madison Square Garden. Eggs from pen headed by sire of first cockerel at Madison Square Garden, \$5 setting. JOHN W. POLEY, Royersford, Pa., R. D. 1. 12-7

Eggs, Eggs, Eggs, from Fine Barred Rocks, 15 for \$1; 30 for \$1.75. F. A. WEAVER, Chestnut Hill, Conn. 12-7

Buff Rocks (Nugget Strain), Choice Cockerels, from \$2 to \$5; pullets, from \$1.50 to \$3; eggs from best matings, \$2 per setting; \$8 per hundred; satisfaction guaranteed. BEECHLANDS' JERSEY FARM, G. H. Sweet, E. Aurora, N. Y. 12-6

26 Eggs, \$1—Thompson's Ringlet Strain of pure bred Barred Plymouth Rocks; none better at any price. Write for circular. FRANK MOORE, Madison, Ind. 12-7

Barred Plymouth Rocks, Standard Bred and Good layers. Eggs, \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

White Rocks—Fishel Strain Direct—Standard bred; large, pure white; heavy layers. Eggs, \$1 per 15. E. C. PURDY, Box 2, Croton Falls, N. Y. 12-8

Pure Ringlets Direct from Thompson. My Barred Plymouth Rocks are the finest I ever raised. Breeding and Exhibition Birds for sale, both Cockerel and Pullet line bred. Eggs, from first prize pens, \$3 per setting. Your money back if not pleased. Mention The Feather. A. J. CHEEK, Henderson, N. C. 12-7

White Rocks—Pure White. Eggs from First pen, \$1.50 per 15; second pen, \$1 per 15. Order early and send cash. CHET CLEARWATER, Farnhamville, Iowa. 12-7



Gregory's White Plymouth Rocks. Fishel's strain Cockerels, \$1.50 up. Single-combed Buff Orpingtons' pure eggs \$1.50 per setting. HARRY W. GREGORY, Chapman Quarries, Pa. 12-7

Oak Grove Poultry Yards—Special Sale to Make room for my Breeder's Barred White and Buff Rocks and S. C. W. Leghorns, \$1.50 each. Eggs from my best pens, \$1 per 15; \$2.50 per 45; \$5 per 100. MRS. R. P. HINES, Olney, Md. 12-7

Eggs Count.—Dunderberg White Rocks Are Bred for eggs. 20 pens of breeders, pure white, correct shape. Eggs, \$6, \$7, \$8, \$10 and \$15 per hundred, according to record of egg production. A few fine Cockerels left, \$2.50 to \$5. DUNDERBERG POULTRY YARDS, Tomkins Cove, N. Y. 12-7

White Plymouth Rocks, U. R. Fishel's Strain—direct; six grand pens mated; every bird a bird of "superior" quality. If you want to hatch winners and layers write and get acquainted. Egg orders booked now at \$2 per 15; \$5 per 45; \$10 per 100. Write for circulars—it's a business proposition. COOLSPRING POULTRY YARDS, Plummer McCullough, Proprietor, Mercer, Pa. 12-7

Buff Rocks Exclusively—Farm Raised, Vigorous and healthy; fine color; prolific layers. Eggs that hatch, 15 eggs, \$1. HOWARD HESTED, New Albany, Pa. 12-7

Buff and Barred Rocks, Barred Thompson Strain, Buff leading strains of America. Stock and eggs \$1 for 15; \$5 for 100. MRS. J. W. TETRICK, Williamson, Pa. 12-7

Marburger's Barred Rocks Win at Lititz, the banner show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. A. W. MARBURGER, Lock Box 26, Denver, Pa. 12-10

Buff Plymouth Rocks, Winners of the State Silver Cup at West Haven, and specials for best shape and color; gold special at N. Britain for best color cockerel; scores 94 points, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Buff Plymouth Rocks, Nugget Strain—Eggs in season, \$2.50 for one setting; \$4 for two settings; no stock for sale at present. WILLIAM HOWE, Hudson, Pa. 12-7

Extra Quality Buff, Barred and White Rock pens, headed by Thompson and Fishel males. Stock for sale. Eggs \$1.50 per 15. WILL TOUTON, Ft. Atkinson, Wis. 12-7

White Rocks, Fishel Strain, Males and Females scoring to 95. Barred Rocks, Bradley strain, scoring to 93. Eggs, \$1 per 15; incubator eggs \$5 per 100. Why pay \$5 per setting for eggs no better? BOWKER POULTRY FARM, Box F, Duhlin, Ind. 12-8

White Rocks—Just Bought a Whole Breeding yard direct from A. C. Hawkins. Eggs \$2.50. Circular free. J. E. CHRISTIE, Garfield, N. J., Route 13. 12-7

Buff Rocks, Utility Bred, as Well as Prize winners. They hold their own in the best of company. A few breeders for sale. Eggs, \$2 per setting. THEO. BENNER, Bunker Hill, Ill. 12-7

White Plymouth Rocks.—Eggs \$2 per 15. Prize winners, trio for \$9. Mammoth Bronze turkey eggs \$3 for 10. GEO. PARKINSON, Peach Orchards, Sumas, Wash. 12-7

For an Inducement Will Sell Eggs 75c per Setting. White and Barred Rocks and White Wyandottes. My birds are noted for their great laying as well as show points. C. L. YERBY, Douglassville, Pa. 12-8

Barred Plymouth Rocks—Egg-laying Strain—Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

E. B. Thompson's Strain of Barred Plymouth Rocks, direct from his best pens; choice birds only; light, medium, and dark matings; eggs, \$1.50 per 15. Also Blue Homing Pigeons mated for squab raising or racing. TERESA DAVIES, Susquehanna, Pa., Route 4. 12-7

Partridge Plymouth Rock Eggs for Setting from carefully mated pens; \$3 for 15; stock for sale. Write A. L. BAILEY, Westmoreland, N. Y. 12-8

Barred Rocks Exclusively, Second Pen, Rutherford, December, 1906; eggs that will hatch, \$1 for 13, \$7 per 100. Satisfaction guaranteed. WM. PERRY, Rutherford, N. J. 12-8

Buff Rocks—Blue Ribbon Winners at Great Rochester and Auburn Shows. Stock for sale. Eggs, \$2 per 15. J. LIESE, 6 Bly St., Rochester, N. Y. 12-8

Eggs for Hatching from Pure Bred Stock Barred Plymouth Rocks, 15 for \$1; 50 for \$3. Mammoth Pekin Ducks, 12 for \$1. J. A. McCARTY, Monroe Grove Poultry Farm, Aldie, Va. 12-8

Buff Rocks, 50 Cockerels, \$3 Up, Pullets, \$2. The egg-laying kind; my breeders score 90 to 94, winners at Scranton, 1907. Eggs, \$2.50 and \$1.50 for 15. Orders booked now. Ship when wanted. Write. A. L. FAWCETT, Box 5, New Albany, Pa. 12-8

Buff Rocks Only—Nugget Strain—Eggs from Select flock headed by males scoring 90 1-2 to 92 1-2, \$1 per 15; \$1.75 per 30; \$4 per 100. Breeding pens score 91 to 94, \$2 per 15. Scored by Chas. McClave. MISS NORA KIGER, Route 5, Marion, Ohio. 12-8

Barred Plymouth Rocks. I Want What I Want when I want it. Strong, healthy, standard bred, heavy layers, farm raised; none better; eggs, \$1.50 setting. G. W. HAINES, Stanwick, N. J. 12-8

White Rocks, Fishel Strain. The Kind That Are White and stay White; high scoring Standard bred Birds; best of layers; excellent Cockerels; cheap, to make room. Eggs from my matings that are sure to produce winners, \$2.50 per 15. J. LUDWIG SCHROEDER, Barnesville, Pa. 12-6

White Rocks (Hawkins), Barred (Bradley Bros. strain). Standard bred; stock for sale. Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Nieda, Ephrata, Pa. 12-11

Eggs for Hatching from Choice Matings of B. P. Rocks. I have bred them thirty years and they are up-to-date. Eggs, \$2.50 per 15; \$4 per 36. J. J. STAGE, 1123 Hatch, Spokane, Wash. 12-8

Fenner's Strain Buff Rocks Eggs, \$1 per 15; \$2 per 40; \$3.50 per 100. This is stock of seven years breeding and selection. G. H. FENNER, Route 1, Nazareth, Pa. 12-8

Red Hill Farm, Bridgeport, Pa., White Plymouth Rocks, Eggs for hatching. 12-8

Barred P. Rocks Exclusively. Eggs, \$2 for 15; \$3 for 30; incubator eggs, \$5 per 100; chickens, 8 weeks old, 50 cents apiece; \$5 per dozen. Send in your orders now and get the best. Money back if not satisfied. J. F. SMITH, Remington, Va. 12-8

Barred Rocks—Bradley's and E. B. Thompson's Strains—pure, carefully mated. Eggs, \$1 per 13. B. RHODES, Box F, Port Jervis, N. Y. 12-8

Stock's White Rocks Are Line Bred from Winners. Eggs from choice exhibition matings, \$3 per 15; \$5 per 30. The birds in these matings are grand, scoring from 94 to 96 1-4 points. Eggs from closely culled range flock which contains many birds scoring to 94 points, \$1.50 per 15, or \$8 per 100. VERNE D. STOCK, Lena, Ill. 12-8

White Plymouth Rocks, Fishel Strain. Eggs from large beautiful two-year-old hens, 15, \$1; 100, \$5. REV. C. F. VAN SANT, Jay, N. Y. 12-6

White Plymouth Rocks—The Quality of Chicks from our \$1.15 per setting eggs last season was simply grand and the sales tremendous. This season they will be more so. Fair dealing and top-notch goods does the work. Send for catalogue; it is free. WHITE ROCK POULTRY PLANT, John M. Wiest, Prop., Ashland, Ohio. 12-8

Ivory Strain White Rocks—Record Layers and winners wherever shown. Eggs, \$2.50 per setting. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

Vought's Invincible Barred Rocks—Can Furnish eggs from either Thompson or Bradley Bros' stock, \$1 per 15; \$5 per 100. R. H. VOUGHN, Randall, Iowa. 12-8

Barred Rocks—Finest Exhibition Quality. Before buying eggs get my circular. Cockerel and Pullet matings. L. W. WALSH, Box 248 F, Lynchburg, Va. 12-8

Barred Plymouth Rocks (Miles Strain Direct)—Eggs from fine utility stock, \$1 per setting; I. S. RANCK, New Holland, Pa. 12-8

Barred Plymouth Rocks. Established Since 1896. Eggs from fine utility stock, \$1 per setting; \$5 per 100. GOUGH BROS. & CO., White Plains, Md. 12-8

Buff Plymouth Rocks. Choice Cockerels and Pullets, \$1.50 to \$2; trios, \$5; eggs, \$1.50 for 15; 30, \$2.50. J. W. SILCOTT, Bluemont, Va. 12-6

Ringlet Barred Plymouth Rocks and Single-combed White Leghorns. Eggs for hatching from my Butler prize winners. Write for prices. JOS. C. SCHOTT, Chicora, Pa. 12-8

Buff Rocks—Nugget Strain—Eggs from Extra large heavy winter layers, nearly solid buff, \$1 per 13. Guarantee good hatch. ARTHUR TAYLOR, Washington, N. J. 12-8

Belmont Poultry Farm—Breeders Standard Ringlet Barred Plymouth Rocks, bred by double system, Rice and Wyckoff. Single-combed White Leghorns; eggs, \$1.50 per 15. CHAS. KILLIAN, Prop., Delanco, N. J. 12-8

Buff Rocks—Just to Advertise—Eggs This Season at \$1 per 15. From choice stock. H. E. DECKER, Madalin, Dutchess Co., N. Y. 12-8

America's Finest Buff and Barred Rocks and Buff Wyandottes; choice stock for sale and eggs for hatching. MT. WASHINGTON POULTRY FARM, Mt. Washington, Ohio. 12-8

Columbian Plymouth Rocks—The Ideal Fowl for poultrymen and fanciers; winners first pen, Madison Square, 1907. E. B. ANDREWS, 9 West 17th St., New York. 12-8

Barred Rocks and Single-combed Buff Orpingtons. Eggs, \$2 per 15, from first prize stock. A few good rock cockerels. J. H. WORLEY, Mercer, Pa. 13-5



## The Back-lot Poultryman



COULD a few more of our friends realize what has been and can be done in the way of raising chickens in limited quarters on our city back lots, then I think more of them would take hold of the work.

Don't try to raise chickens and garden truck together if you have limited quarters, for you will surely find that it will not pay. The man who works down town in an office or store may have a little time mornings and evenings to attend to either chickens or garden, but he can not attend to both and do the work justice, as it should be done. So he had better drop one or the other, and I believe he had better drop the garden, for he can make four or five times as much out of a few Standard bred chickens and not have to work any harder.

All chickens are good chickens if they are Standard bred and pure stock, but right here is the main point. Be sure and start right with the right kind of stuff, and then the battle is half won. Take the chicken that suits your fancy and stay with it, for when a man once gets started it does not pay to change breeds every time a new fancy strikes him, for then he has lost all the advertising he has made for himself and breed, and has to start over again, thus losing precious time and money.

I am acquainted with several men who raise mixed or common fowls on a town lot, and each season sell a few fries and some eggs at market price, when at the same time they could have handled pure stock, and with a little advertising have sold their eggs at \$2 or \$3 a dozen instead of 20 cents, and the surplus cockerels at from \$1 to \$3 apiece instead of 40 cents. It does not make much of a scholar to figure out the difference between pure stock and culls and the difference in price.

The man who raises chickens on a town lot will have difficulties to overcome. There is danger of getting the ground and buildings infested with disease, and after this happens it is hard to stamp out, so let us be more than careful. Clean out the buildings at least once a week and whitewash when needed. Clean the nest boxes often, and I believe a good rule to go by is to dust the chickens with some good louse powder at least every two or three weeks, whether they need it or not. An ounce of prevention is worth a pound of cure is a good rule to go by.

On a town lot a person needs at least two separate runs—while the chickens are in one, spade up the other and sow with rye or rape, as this has a tendency to purify the ground besides furnishing green food for the chickens. These rules must be followed or in a few years the ground will become so infected and the death rate so large that the raising of chickens will have to be discontinued. In fact, if you will have a fixed set of rules and live up to them, doing the things that need to be done, then you can be successful and at the end of the year will be able to sum

up a nice per cent. of profit which will be encouraging to you and lead you to better results.

Don't think that advertising will not pay, for it will. A twenty or twenty-five word add in the classified department of any good circulating poultry journal will do the work for you. Always try to be honest with your customers and give them the worth of their money, and then they will come again and tell others.

I believe the south front curtain house is the best for the small fancier, for the chickens must have plenty of air and need good ventilation, just the same as a person, to keep in good health. Always arrange the house suitable to the weather. Some parties always fasten the door the same in summer as in winter. This is not good policy unless you have other ventilation. In colder weather you can fasten the house up more securely, but when the weather is warmer let in more ventilation during the nights. A good plan is to put small mesh poultry wire over the south front of your house, which will keep prowlers and vermin out in summer and let in the required amount of air. Then when the cold weather comes tack canvas over the wire, which will let in air but break the wind and draft. When the hens begin to snuffle be sure and notice whether it is caused by too much ventilation or not enough. A house in which the drinking water never freezes in cold winter weather is too warm for chickens to keep healthy with plenty of exercise.

Watch the small details and it will surely help you to take care of the larger ones. With the growing demand for fancy poultry I see no reason why more should not take hold of this work.—Edgar H. Swain.

## Pinetop Poultry

*Continued from page 27*

winter. Not more than a dozen high-class cockerels have been shown throughout the circuit from Boston to Chicago. This permits us to say that Bantam fanciers should hasten to improve these conditions. Some of the oldest and most successful breeders failed almost entirely with the Buff Cochins Bantams the past season. Those shown from Pinetop Farm were beautiful in plumage, and of proper Cochins type. If these are properly handled and cared for, they should add much to building up the Cochins Bantam classes of another year. New York and Boston deserve better displays in these than those gathered there the past two winters. We could mention a number of fanciers from Pennsylvania and the New England shores, all of whom have failed in the past two years in securing the best quality in the Cochins Bantams.

There must be some reason for all this, and we hope that the Cochins Bantam breeders of the country will rally to the production of more specimens and better quality for another winter showing. None seems to be better fixed to aid in this than the Pinetop Poultry Farm.





## Care of Roup



E GLEAN the following answer to a question of how to cure roup from a recent issue of the Farmer and Breeder. We select this from the fact that it thoroughly covers the ground, and presents some new features in handling these ailments.

"The malady you describe is roup or canker head, as it is sometimes called. There are different forms of the disease and different stages of the same form. This form usually makes itself known first by a frothy substance appearing in one or both eyes. In a few days the discharge becomes thick, the eyes are clogged, and finally the whole eye-ball as well as the surrounding parts are one huge mass of cankers, often as large as a hickory nut. The eye-ball finally bursts, and about this time the bird is likely to die. Seldom does one in this stage recover. It is apt at any time to run into the diphtheritic form, which is contagious. Hence all fowls so affected must be separated at once from the remainder of the flock. Sometimes the abscess forms in the throat, and the yellow, cheesy canker fills the mouth until the bird is choked to death. Often it forms in one or both nostrils, and a hard lump comes just beneath the eye, the eye itself escaping any serious trouble. Like catarrh, quinsy, or tonsilitis in the human family, an individual once having the disease is likely to have a succession of attacks every time a little cold is taken. It is also apt to be inherited, a tendency to the disease, at least.

"So it is well to kill off all afflicted birds rather than bother to cure them. However, there are many things which will effect at least a temporary cure. As soon as a bird is found with weak eyes, a rattling in the throat or sits about gasping for breath, examine at once for roup symptoms. In the first stages, give some quinine in pellets of bread to each bird. Carefully clean out the eyes and nostrils with clean, warm water in which a drop of carbolic acid has been placed. A good way is to take a shallow cup, fill with warm water (quite as warm as the hand will bear), add a few drops of carbolic acid, camphor, kerosene, or turpentine, then dip the whole head of the fowl into the cup. Repeat this several times and pour a little of the water into the beak of bird or swab out the mouth with it.

"Several roup cures are advertised and highly recommended, which you might try. I have cured birds which were not very far advanced in the disease, but have never yet cured one which had gone so far as to become cankered. I kept one hen three years and she laid, set and hatched chicks each year, who every few months had one eye swelled up with a hard, red lump all about the eye cavity. Indeed, the swelling and inflammation never wholly subsided, yet she seemed as well as the average person who has a chronic catarrh. Her eye never cankered, and the disease was not contagious, as

we had no more such cases. I should never attempt to doctor a cankered bird, as it is not easy to tell just when it will assume the contagious form.

"Quite a number of fowls may contract the disease at once from the same cause, getting wet or over-crowding and catching cold while wet and sweaty. Yet, because a number are sick for this reason is no sign the disease has become contagious. Be very careful not include any such birds as have suffered from roup in your flock to be carried through the winter. They're almost sure to contract the disease in winter, perhaps endanger the life of the whole flock, and should never be bred from. Just as a child is apt to inherit a tendency to catarrh or throat trouble, just so sure is a flock of chicks to have a tendency to roup if they come from roup stock. A good ointment to apply to swelled heads is made as follows: One tablespoon lard, one teaspoonful kerosene, one drop carbolic acid, five drops turpentine, one teaspoonful camphor. Mix thoroughly and apply warm to the swellings. Do not get into the eye. Pure kerosene may be dropped into the nostrils and also applied to the inside of the mouth and throat. We use tincture of aconite in the drinking water of fowls afflicted with roup. Ten drops to a quart of water. Strict cleanliness must be observed in attending roup birds, as it is filthy and unwholesome air which causes roup to assume the diphtheritic form."

## Carneaux

Being one of the first to take up the Carneaux Pigeon to test its capabilities as a heavy squab-producer, and having imported a great many from across the pond, I feel I know more than most others about this particular variety.

It is a remarkably handsome, well-groomed bird, and practically unknown to American fanciers until about two or three years ago. I wrote at that time the second article that appeared in pigeon papers about them. They have many enthusiastic admirers in Europe in the different countries, where the Carneaux Clubs are as much to the front as our own fanciers.

Its origin is very remote, and was first sheltered by the Flemish fanciers for its remarkably good qualities. It is a large bird, heavier than the Homers, vigorous and prolific. It has a reputation of yielding annually ten pairs of very heavy youngsters, fifteen to twenty-one ounces each at four weeks, some times a pound each in three weeks. It is a faster breeder than the Homer and equal in feeding. Its young, unlike those of the latter, are always white skinned, rendering them most desirable for the market. A gentle, peaceful bird that stands the climate of this country well and breeds as well in captivity as in the open air. If given full liberty they stay at home, which can not be said of the Homer variety.—Ernest L. Winslow.

Barred Plymouth Rock Eggs, Hawkins and McClave strains. \$1 per 15. W. R. OSBOURNE, Baltimore, Ohio. 12-8

Royal Blue Barred Plymouth Rock Eggs for sale. If you want quality write me for catalogue and prices. Satisfaction guaranteed. GEORGE W. WATSON, Eldorado, Ill. 12-8

Eggs, \$1 per 15; \$3, 45—Bradley Bros. or Ringlet Strain. Barred Rocks, Cockerel and Pullet matings. Buff Rocks, Millville and Fox Strain. White Rocks, Fishel's eggs. Circular free. H. D. PINCKNEY, Mahopac Falls, N. Y. 12-8

For Sale—100 of Those Pure White and Stay White Rocks and Wyandottes (Graves' Strain). You know the kind I raise. Northampton show, Nov. 27-29, I won 1st cock, 1st and 2d cockerels, 2d and 3d hens, 1st, 2d, and 3d pullets, 1st and 2d pens. Greenfield, 1st, 2d, and 3d hens. Springfield, 1st pullet, 2d cockerel. Holyoke, best cock, Cockerel, Hen, Pullet, pen shown by a member of American White Rock Club. HODGKINS POULTRY PLANT, Northampton, Mass. 12-8

For Sale—Barred Plymouth Rock Cockerels, Two to five dollars. Eggs in season; \$1 and \$2 per setting. Mention The Feather. JOHN ALBRIGHT, Shannon, Ill. 12-8

Barred Plymouth Rocks, 2d Hen, 6th Cock, Boston, 1906. Eggs, special matings, \$3 per 15; \$10 per 100. Stock at all times. J. C. McCOMBER, Reading, Mass. 12-8

Asbjeld's Buff Rocks Are Good Ones. Eggs, \$3 per 15; 10 chicks guaranteed. I. P. ASBJELD & SON, Box F, Nora, Alcester, South Dakota. 12-8

Partridge Plymouth Rocks and Partridge Wyandotte Eggs, \$1 and \$2 for 15 eggs. Large stock; circular free. WM. SHREVE, Uhrichsville, Ohio. 12-8

Crum's White Rocks Have Won in Columbus, Cleveland, Detroit, Toledo, Pittsburgh. They will win for you if you buy them. Write today. DR. W. A. CRUM, Upper Sandusky, Ohio. 12-8

Choice Barred P. Rocks. S. C. Black Minorcas, Houdan's, and Homer Pigeons. Send stamp for circular. B. F. BRUBAKER, Mount Joy, Pa. 12-11

230 Egg Strain, Utility Barred Plymouth Rocks, 7-years trap nest, bred for large egg-production, eggs, \$1.50 for 15; incubator eggs, \$8 per 100. HARRY WILLETT TAYLOR, Route 8, Berlin, Md. 12-8

White Plymouth Rocks, Fishel Strain, the World's best. Eggs for hatching, \$1.50 per 15; \$5 per 100. Large orders a specialty, 75 per cent. fertility guaranteed. ISAAC C. CLARK, Penn Yan, N. Y. 12-8

Buff Plymouth Rock (Nugget Strain). Eggs from prize winning stock, \$2 per 15. FRANK T. PHILLIPS, State Vice-president of American Buff Plymouth Rock Club, Lonaconing, Md. 12-8

White and Buff Rocks, Rose-combed Black Minorcas; large show record; a limited number of eggs for sale. Satisfaction guaranteed. THOS. G. SAMUELS, Rhone, Pa. 12-8

Barred Plymouth Rock and White Wyandotte Cockerels, from prize winning stock, \$2 each. MRS. A. A. PARKER, R. F. D., No. 1, Bound Brook, N. J. 12-8

\$1 per 15, Bradley's Barred Rocks, Cockerels \$2 and up; hens and pullets, \$1.50 up; pens, \$8, \$10, \$12. Satisfaction guaranteed. W. G. RUBECK, Lockport, N. Y. 12-8

100 Early-hatched Barred Plymouth Rocks and Columbian Wyandottes; good size, shape, and markings. H. C. KEEN, Ridge St., Newark, N. J. 12-8

Bradley Bros.' Strain. Pure Barred Plymouth Rocks, four silver cups, ten first prizes this winter at Wilkes-Barre, East Greenville, and Scranton, Pa.; \$100 cup at Scranton for best Barred Rock in the show; 300 grand breeding birds for sale. Catalogue with photographs of winners. Eggs, \$2 per setting. BLUE BARRED FARM, F. H. Castner, Prop., Glen Gardner, N. J., R. D. 4. 12-8

Buff Rocks Exclusively. Best Stock Money Can buy; bred from prize winners; eggs, \$1.50 per 15; incubator eggs, \$5 per 100. WM. R. BOYER, Danville, Pa. 12-8

Eggs from Prize Winning White Plymouth Rocks, \$2 per setting; mated Homer Pigeons, \$1.50 per pair; unmated birds, 90c per pair. BRUNEN BROS., Rockaway, N. J. 12-8

Buff Rock Cockerels at \$1.50; Pullets at \$2. Eggs, \$1.50 per setting. PROSPECT POULTRY YARDS, Westfield, N. J. 12-8

Eggs for Hatching, White Plymouth Rocks, \$1.50 per 15, \$2.75 per 30. HERBERT A. SMITH, Box 3, Hyannisport, Mass. 12-8

Stumpston Poultry Co., Standard Bred Barred and White Rock and White Wyandottes, America's leading strains. Eggs for hatching at reasonable prices. R. 11, Bird-in-Hand, Pa. 12-8

Buff Plymouth Rocks Exclusively. Fourteen years a breeder of this variety. Winners at the good shows all these years. Some excellent exhibition birds for sale, shape right, color right, birds scoring up to 93 1-2 by Hewes and Pierce. PHIL FEIL, Canal Dover, Ohio. 12-8

White and Barred Plymouth Rock Eggs for hatching from fine stock raised on free range at ? ELLIS BURKET'S POULTRY FARM, Route 1, Frenchtown, N. J. 12-8

Buff Plymouth Rocks at Hagerstown, October, 1906, won 1st hen, 4th cockerel, 4th pullet, and 5th pen. Eggs from best pens, \$2 per 15. CHAS. A. MATSINGER, Baltimore, Md., Sta. N. 12-7

Barred Rocks (Ringlets, Bradley). Shipped on approval. Pullets and Cockerels, \$1 up. No finer bred. Eggs, \$1 per setting; \$5 per 100; warranted fertile. MRS. EDITH CHELTON, Landonville, Md. 12-7

Plymouth Poultry Farm, White Buff and Barred Plymouth Rocks. W. C. Black Polish, S. C. Brown Leghorns, S. P. Hamburgs, Black Langshans, and White Holland Turkeys. Get my prices on eggs. MRS. T. E. SKIVER, Kentland, Ind. 12-7

Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Robson's Buff Rocks Again Winners at Cincinnati and Springfield, Ohio. Send for mating and egg list. R. H. ROBSON, 203 N. Main St., Urbana, Ohio. 12-8

Barred Plymouth Rock and Light Brahma Eggs for hatching, \$1 for 15; \$1.75 for 30. Also some Scotch Collie Pups. Satisfaction guaranteed. JOHN Z. FAUST, Mercersburg, Pa. 12-8

White Plymouth Rocks, Fishel Strain, Cocks and females, scoring 93 3-4; eggs, \$2 per 15; 45 for \$5; express prepaid. C. A. WHIPPLE & SON, Fairchild, Wis. 12-8

Buff Rocks (Nugget Strain). Eggs from Solid Buffs; male scored 94 1-2 by Hewes; \$2 per 15; trap nests used. L. S. RASMUSEN, Rock Island, Ill. 12-8

Buff Rocks. Pure Nugget Strain. Eggs for hatching a specialty; \$1.25 per 15; \$2.25 per 30; \$3 per 45; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Buff Plymouth Rocks, Pure Nuggets; 27 Ribbons and two Silver Cups at three shows, 1st hen, 2d pullet, 5th cock at Madison Garden, 1907; breeding stock for sale; eggs from prize birds, \$5; other pens, \$3. CRESTWOOD POULTRY FARM, Tuckaboe, N. Y. 12-6

Bred to Lay—Buff Rocks Show Room Quality, good size, shape, color; heavy layers; eggs, \$1 per 13. W. B. MILLER, Box F, Douglassville, Pa. 12-8

White Rocks at Bargain Prices. Am Closing Out entire flock of breeders, scoring from 91 1-4 to 95 1-2; also young stock. Good chance to start right. FRANK PUDNEY, Kalkaska, Mich. 12-8

"M. C. S. Best" (Fishel Strain) White Rock Eggs, \$2 per 15. Won 10 premiums at Shelbyville. Guarantee one-half eggs to hatch or replace free. G. S. McAFEE & SON, Ohlman, Ill. 12-8

## LEGHORNS

50c per Doz.; \$3.50 per 100. Wyckoff Strain. W. Leghorn eggs. New illustrated free. BISHOP'S POULTRY FARM, West Cheshire, Conn. 12-7

Mrs. C. W. Harrington, Harford Mills, N. Y.—Buff Leghorns exclusively. Cup winners in 1904 and blue ribbon winners in 1905. Breeding birds and young stock for sale. 12-6

Single-combed White Leghorns. Eggs for Hatching and Little chicks from fine standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

For Sale.—S. C. White Leghorns, Wyckoff Strain. Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-9

For Sale.—S. C. White Leghorn Cockerels, Hatched April 1, \$1.50 each. White Wyandotte cockerels. Stock from Bltmore Estate. G. W. CRANE, Rahway, N. J. 12-6

Single Comb Brown Leghorn Eggs for Hatchings from stock bred according to Standard requirements and good layers, \$2 for 15. STEWARD L. HOUCK, 5th St. West, Easton, Pa. 12-6

White and Brown Leghorn Cockerels and Pullets for sale. Fancy stock, \$1 to \$2 each; also imported Homer pigeons, mated, \$1 pair. Bank reference. JOHN B. WADDILL, Tate Spring, Tenn. 12-6

S. C. Brown Leghorns, Some Good Hens, and two cocks for sale cheap. Need room. Satisfaction guaranteed. Order soon. GEO. W. OSTERHOUT, Bedford City, Va. 12-6

Rose Comb White Leghorn Cockerels, \$1 each. Fine thoroughbred stock. Eggs in season, \$1 per 15. ELLA L. WALTMAN, Route 44, New Albany, Pa. 12-6

Single-combed White Leghorns (Specialist)—I have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. SAMUEL S. BLIEM, R. D. No. 5, Pottstown, Pa. 12-10



For Sale—Fine Lot of Buff Leghorns, Cockerels, and Pullets for breeders, which I guarantee to please purchaser. Catalogue free. CLARENCE SHENK, Luray, Va. 12-7

Leghorns—Single-combed White, Brown, Buff, and Rose-combed White, and Brown. Eggs 15, \$1; 100 \$5. MRS. S. RIDER, Maryland, Otsego, Co., N. Y. 12-7

Rose-combed Brown Leghorns Exclusively. Eggs from farm ranging stock that will produce winners, \$1 per 15; \$5 per 100. KENNEL BROS., Atglen, Chester Co., Pa. 12-7

My S. C. Brown Leghorns Are Standard Bred and great layers. Eggs \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

Gold Dust Rose-combed Buff Leghorns (Original) Greatest egg producers in cold weather of any breed on earth; also the most beautiful, largest breeder, finest flock in the world (circular). F. BOOMHOWER, Gallupville, N. Y. 12-7

Single-combed White Leghorns—Two Hundred Breeders scoring 91 to 95. Fine white birds. Eggs four cents each. WEJA LEGHORN FARM, Box 31, Kenton, Ohio. 12-7

Single-combed Brown Leghorns—Winners at Allegheny, Cincinnati, Pittsburg, East Palestine, Canal, Dover, Salem, and East Liverpool. Fine cockerels, hens, and pullets for sale. Write for particulars and prices. FRED H. COOK, Beaver, Pa. 12-7

Single-combed Buff Leghorns (Wickoff Strain) Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Cahill St., Lynchburg, Va. 12-10

R. C. Brown Leghorns (Kulp's Female Line) Eggs from pens, having free range, \$1 per 15; cockerels \$2 each. WM. GAFFEY, South Worcester, N. Y. 12-7

Grand Cockerels, R. W. Leghorns, R. Buff Leghorns. Eggs from three prize matings of Reds and R. W. Leghorns. A. G. GILLETTE, Gloversville, N. Y. 12-7

Single-combed White Leghorn Eggs \$1.50 per 15. Winners at this winter's shows. Birds in breeding pens score over 90. Satisfaction guaranteed. ROBERTS POULTRY FARM, Salem, Mich. 12-7

Exhibition Single-combed Brown Leghorns, Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Prize Winning Single-combed White Leghorns and Silver-spangled Hamburgs. Eggs \$1.50 per setting. WAVERLY GAME YARDS, Jos S. Knapp, Waverly, Baltimore, Md. 12-7

Blue Ridge Poultry Yards. S. C. White Leghorns exclusively. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1.50 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9

Rose-combed Buff Leghorns—Stock and Eggs. C. S. CRUMBLING, Marysville, Pa. 12-7

Eggs \$4 per 100. Rose-combed Brown Leghorns; exclusively high scoring prize stock. Eggs guaranteed fresh and fertile. F. BUSH-NELL, Chatham, N. Y. 12-7

R. C. White Leghorns.—Few Good Birds for sale. Winners at Newark, Dover, and Morristown. Eggs \$2 per 15. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Single-combed White Leghorns (Blanchard Strain) Silver-spangled Hamburgs; good layers. Eggs \$1.50 per 15; \$2.50 per 30; \$6 per 100. H. JOHNSON, Troy, Pa. 12-7

America's Best Single-combed Buff Leghorns—Arnold's, Lamons, Cornell, and Wyckoff strains. Eggs \$1 per setting; cockerels for sale. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-7

Rose and Single-combed White, Buff, and Brown. Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

R. C. White Leghorns, Eggs, \$150 per 15, \$2.50 per 30, \$6 per 100. No stock for sale until fall. R. W. PRICE, Troy, Pa. 12-10

Pent's Single-combed Buff Leghorns, Waynesboro, Pa., Box 57, Route No. 2. 12-7

Rose-combed Buff Leghorns.—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Rose-combed Brown Leghorns. Try Tabor's 220 eggs and exhibition strain: New York 1st ck. 2d ck.; Boston, 1907, 1st hen, 1st pullet, 2d and 5th ck.; Johnstown, 1st and 3d ck.; Auburn, 1st ck. Catalogue eggs. F. C. TABOR, Worcester, N. Y. 12-7

Single-combed Brown Leghorns. Stock and Eggs from Hagerstown, Lititz, and Dallastown winners. Before placing your order write for prices. S. J. HARLACHER, Hanover, Pa. 12-7

Black Leghorns, Yellow Legs, None Better in America; also Duckwing Leghorn; winnings furnished on application; stock and eggs for sale. GEO. GRANDY, Johnstown, N. Y. 12-7

Rose-combed White Leghorns Exclusively—20 years breeding. Ribbon winners 9 leading shows, including Madison Square Garden, Indianapolis, Hagerstown, Johnstown, and others. Our birds have small low combs, good size, shape, and color. Several of the finest pens mated with winning males. Can guarantee 9 chicks and prompt delivery. Mention The Feather. Eggs, \$1 per 15; \$3 per 50; \$5 per 100. A. C. NES-TER & SON, Pottstown, Pa. 12-7

Single-combed White and Brown Leghorns, Pekin and Indian Runner Ducks. Eggs, \$1 per setting. Incubator lots special price. Toulouse Geese. FAIRFIELD FARM, Nokesville, Va. 12-7

Single-combed Buff Leghorns Exclusively. Winners and grand egg producers. Eggs in season. Stock for sale. M. C. SWARTWOUT, Box 200, Groton, N. Y. 12-7

1200 Pure Bred S. C. White Leghorns, Large egg strain, on farm of 135 acres. No stock for sale until fall. Orders booked now for eggs for hatching. HICKORY HILL POULTRY CO., Troy, Bradford Co., Pa. 12-7

Rose-combed White Leghorns Exclusively. Eggs from best pens, 15 \$1.50; 50 \$3.50; from utility stock, 100 \$4; satisfaction guaranteed. R. H. DAVIS, Unionport, Ohio. 12-8

S. C. White Leghorn Eggs for Hatching, \$1.50 per 13. Line bred for heavy laying; 20 years; open-housed; range of 50 acres. LOOMIS & ROOD, F. D. 106, Windsor, Conn. 12-6

20 Single-combed Brown Leghorn Eggs, \$1; \$4.50 per 100; farm range; 10 hens, 1 cockerel, \$12; 10 other varieties at reasonable prices. M. D. DETWEILER, Box F, Sellersville, Pa. 12-8

White, Brown, and Buff Leghorn Eggs, 15 \$1; 100 \$4. Buff and Partridge Wyandottes, 15 \$1; 100 \$6. INN LAWN POULTRY YARDS, Joe Clem, Prop., Luray, Va. 12-8

Leghorns—S. C. White, Buff, Brown. Winners at Frederick and Dallastown, in strong competition; excellent layers; stock second to none in quality. Write for prices on eggs. CHAS. BOSTON, New Midway, Md. 12-8

Mrs. C. W. Harrington, Harford Mills, N. Y.—S. C. Buff Leghorns exclusively. Winners of club cup and 3 special club ribbons in 1904; winners of blue ribbons at State Fair, Dryden, and Wilkes-Barre, Pa., in 1906. Eggs, \$2 per 15; incubator eggs; stock for sale. 12-5

(Blanchard-Wyckoff) Single-combed White Leghorns. Strains pure, separate. Choice breeding stock from these wonderful laying strains. Shipping choice hatching eggs and day-old chicks a specialty; safe arrival guaranteed; circulars. C. N. REYNOLDS, Canton, Pa. 12-8

Rose-combed Buff Leghorns, 5 Pullets Off in fancy points, 75c each; good cockerels, \$1.50 to \$2; 1st prize cockerel, \$7.50; 2d, \$5, at Washington, D. C., January, 1907; 15 eggs, \$1.50; single-combed Buff, 15 eggs, \$1. J. W. SIL-COTT, Blumont, Va. 12-6

Standard and Utility Bred White and Buff Leghorns. Eggs, \$1.50 per setting; \$5 per 100. MARYLAND POULTRY & EGG FARM, Laurel, Md., Karl L. He mann, Mgr. 12-8

My Pedigreed S. C. W. Leghorns Won Every 1st in class at Oelwein, Ia., Poultry Show, Jan. 28-31. Score to 95; pen, 186 4-16; Russell, judge. Eggs for hatching, exhibition matings, \$2.50 per 15; straight utility matings, pure bred, selected layers, \$1 per 13; \$2 per 30; \$4.25 per 100. One cock bird, score 89, \$3.50; fine condition. ORCHARD HILL POULTRY FARM, v. A. Bright, Prop., Randallia, Ia. 12-8

Single-combed White Leghorns. We Breed Our own winners. Two firsts on two entries at Schenectady, 1907. Others winners. Eggs, from best matings, \$1.50 per 15; \$7 per 100. Infertiles replaced free. Circular. MAPLE HILL FARM, Route 3, Fort Plain, N. Y. 12-8

McElheney's Single-combed White Leghorns and Single-combed Rhode Island Reds and prize winners and egg machines. Eggs, from prize matings, \$2 per 15; \$3.50 per 30; \$5 per 50; \$8 per 100; utility stock, \$5 per 100. McELHENEY'S POULTRY FARM, Box B, Cuba, N. Y. 12-8

Single-combed White Leghorns—Knapp Strain—From prize winners; stock for sale; eggs, 15 \$1; 100 \$5; satisfaction guaranteed. MRS. R. E. LILLY, Angelica, N. Y. 12-8

Rose-combed Buff Leghorns Exclusively (Layers and winners). Our breeders are carefully selected and mated. Eggs, \$1.50 per 15. POOL BROS., Fallston, N. C. 12-8

Rose-combed Brown Leghorns—Prize Winners, bred 17 years exclusively; size, quality, beautiful, unequalled layers; 15 eggs, \$1; 45, \$2.50. W. C. RUMMEL, Columbiana, Ohio. 12-8

C. H. Wilcox, Worcester, N. Y. My Buff Leghorns at Boston, two entries, won 2d cockerel, 2d hen; Johnstown, 1st and 2d cockerels; stock and eggs. 12-8



## Big Things in the Poultry World



UCH information as the following will make all poultrymen more enthusiastic and confident, and it is enthusiasm and confidence in the poultry business that has made it what it is and that will continue to make its workers prosperous

There is no more encouraging sign of the extraordinary prosperity of the poultry industry and proof of the fact that it is a remunerative business than the success of large firms that manufacture and sell supplies to poultrymen. It affords great encouragement to those who expect to take part in the raising of poultry either to secure pocket money or an independent living.

The splendid book just issued by Cyphers Incubator Company of Buffalo is stronger evidence of the importance of the poultry business than any other one thing we can name. This book has always been one of the prides of poultrymen, and a most popular publication. It has contained usually about 228 pages, but this year the goods manufactured and sold, letters from prominent poultrymen, valuable chapters on poultry keeping and other information which poultrymen like to get, have taken up so much space that it could not be included in less than 260 pages.

When we state that this catalogue is fully illustrated it fails to convey an idea of the number of pictures it contains, but if we add that the illustrations in the 1907 issue would cover a 100-acre farm with pictures, and cover it so well that there would not be an inch of ground visible, it will be better understood how profusely it is illustrated. If these catalogues were piled flat one on top of the other, they would rise to a height of 4,557 feet in the air; if the pages were placed edge to edge, they would reach 5,468 2-3 miles, or further than the distance from New York to San Francisco and back east as far as Buffalo, and would more than equal the distance from the East coast of America across the Atlantic Ocean to Europe and back again. Place the pages side by side and they will cover a 450-acre farm and have enough left over for a fair-sized poultry farm. A letter to the Cyphers Incubator Company, Buffalo, N. Y., or to their nearest branch office (either New York, Boston, Chicago, Kansas City, Oakland, Cal., or London, England, will bring you the wonderful catalogue we have referred to as quickly as the mail can carry it, and free of cost to you.

It must be that the incubators and poultry supplies that have formed the foundation for such a business as can publish a book like that are goods of quality. It is easy to illustrate quantity, as we have done, but not so easy to illustrate quality; yet when we find so many letters, telling of satisfaction with these goods as are contained in the catalogue; when we know that so many of these incubators and brooders have been in continual use

for years, and are still in use, the reason for their popularity is clear to us.

Consider how many incubators were manufactured by Cyphers Incubator Company during the eight busiest months of last year; estimate the egg capacity of the various sizes and it will be found that at one setting they would have a capacity of 2,963,950 eggs; and, considering that this estimate is for large eggs, then if we consider average-sized eggs only, it means practically three million eggs at one setting—and this on only a portion of one year's manufacture of incubators.

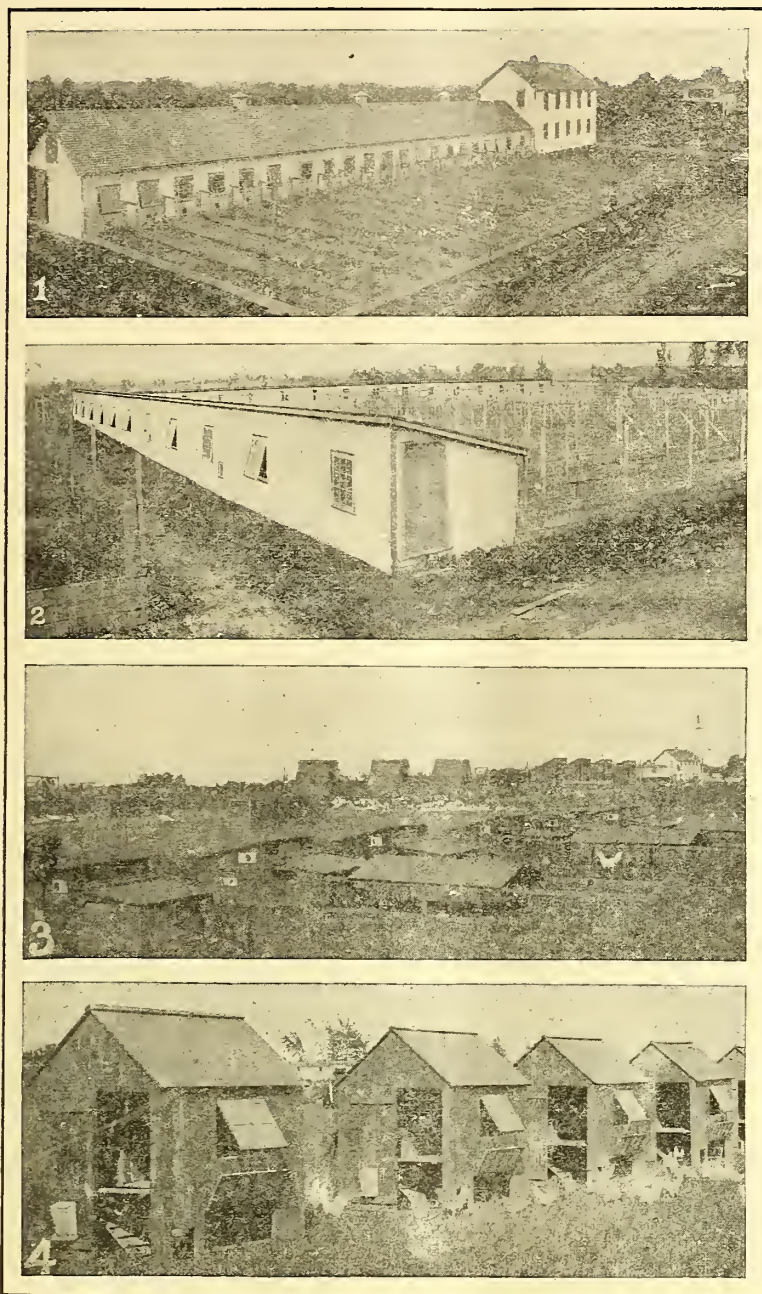
After what has been stated above, it will not be surprising to know that half a dozen of the big duck plants which operate Cyphers incubators have a capacity of 168,310 duck eggs at a single setting, being half a million duck eggs for a couple of months or so hatching in the spring. Two of the plants referred to each use one hundred incubators or over, and it is a common thing for plants these days to use twenty-five to thirty Cyphers incubators. These plants are all illustrated by photographic reproductions in the big catalogue we have described. Doubtless hundreds of poultrymen who read these lines use a dozen or more of those down-to-date machines.

In order that the incubators, brooders and other articles sold may be tested before being placed upon the market (in consideration of the many improvements this company is making in its goods year after year) it purchased a year or two ago a 50-acre poultry farm. On that farm there are now ten permanent poultry houses, ranging from 130 to 180 feet long; a three-story feed and killing house; superior down-to-date barn and stables; a couple of incubator cellars and brooding houses; student's library and bedrooms, and a new residence for the manager. During the past summer there was utilized in addition to the permanent poultry houses over one hundred portable poultry houses as manufactured and sold by the company. The farm is well stocked with fowls of all the popular breeds, some of the fowls having been bred for exhibition, others for egg production, and still others for market purposes—quick growth, etc.; and the demand for stock and eggs for hatching already tests the farm and its five thousand breeding fowls to its utmost capacity.

This company does a large export business, and has won gold medals and special diplomas in competition with the greatest incubator companies in Europe, Australia and South America, not forgetting New Zealand. It is well known that the gold medals at the Pan-American Exposition, Buffalo, N. Y., the World's Fair, St. Louis, and the Lewis and Clark, Portland, Oregon, were awarded to this company.

Cyphers Incubator Company has just now entered its new executive offices at Buffalo, and begun operations in its second factory.





VIEWS ON CYPHERS INCUBATOR COMPANY'S POULTRY FARM

1. The first Brooding House and Incubator Cellar. A second double the length is now being erected.
2. A Quadrangle of Experiment Poultry Houses 130 to 180 feet long.
3. A few of the Cyphers Brooders and Portable Houses in use on the farm.
4. Part of a row of Portable "Suburban" Poultry Houses.

The number of customers this company has among poultrymen can not be estimated, but the amount of business they do may be inferred when we state that the new main office at Buffalo is 130x50 feet in size in addition to the offices and reception rooms for the officers of the company and visitors, which add another 14 feet by about 180 new factory building has in itself a floor space of 202,900 square feet, making a total in the two buildings at Buffalo of 235,947 square feet. The Kansas City mill operated by this company for the manufacture of poultry foods alone possesses 30,000 square feet of floor space, and if we include the floor space occupied by the other branches of the company (which are operated by separate managers at New York, Boston, Chicago, Kansas City, Oakland, Cal., and London, England, etc.), the surprising total of nine acres of floor space will barely cover it.

If you want to know how big is the business in which you are interested, send for this great 260-page book. Address Cyphers Incubator Company, Buf-

falo, N. Y., or the branch nearest to you, namely, New York, Boston, Chicago, Kansas City, Oakland, Cal., or London, England.

## Where the Bad Eggs Go

A poultry farm, whether ducks, geese, chickens, or turkeys be the specialty, accumulates a large and malodorous surplus of eggs that refuse to develop into fowl. The average person would suppose if there is anything on earth that is utterly worthless it is a rotten egg. Millions of stale eggs are used every year in preparing leather dressing for gloves and book-binding—an industry that is largely carried on in the foreign tenement houses of New York and other large cities. They are also used in manufacturing disinfectants, and the shells are made into fertilizers. The eggs that have not yet lost their virtue have other uses besides the more common ones for culinary purposes. It is estimated that fully fifty-five millions are used by wine clarifiers, dye manufacturers and in the preparation of photographers' dry plates.—Exchange.

**Single-combed Brown Leghorns Exclusively—Bred to lay; fertility guaranteed; prompt shipments.** Eggs, 15 \$1; 30 \$1.50; \$4 per 100; reference; Adams Express Company. Circular. MELVIN HILLS POULTRY FARM, Newington, Fairfax County, Va. 12-8

**S. C. White Leghorns.** Hundreds of Select, high scoring, heavy laying birds. Wyckoff strain, in free range colony-bones. Eggs, 15 for \$1; 50 for \$2.50; 100 for \$4. Circular. CLOVERNOOK FRUIT FARM, Chambersburg, Pa. 12-8

**Single-combed White Leghorn Eggs from Birds** scoring 92 to 94 1-2; laying qualities unsurpassed; \$1.50 per 15; fertility guaranteed. KENTUCKY POULTRY YARDS, 2515 High St., Louisville, Ky. 12-6

**Rose-combed Brown Leghorns Exclusively.** Eggs, \$1 for 15; \$4 per 100. MARY E. ROBERTS, R. No. 2, Box 21, Nottingham, Pa. 12-8

**S. C. B. Leghorns (Forsythe Strain).** Barred erels and eggs for sale. For show records and prices address MRS. H. R. SCHLOTZHAUER, Pilot Grove, Mo. 12-8

**S. C. B. Leghorns (Forsythe Strain).** Barred Rocks—Park strain. Eggs, \$1.50 per setting; \$5 per 100. CHAS. C. WINE, Route 1, Mt. Sidney, Va. 12-8

**Arnold's Strain Buff Leghorns—Eggs, \$2 per 15.** Kulp's strain. Rose-combed Brown and Single-combed White Leghorns. Eggs, \$1 per 15; \$5 per 100. C. C. KIMMEL, Dillsburg, Pa. 12-8

**Single-combed White and Brown Leghorns.** Hardy eggs from 2-year-old hens, 15 \$1; 25 \$1.50; 100 \$4.50. REV. C. F. VAN SANT, Jay, N. Y. 12-6

**Feltis's S. C. B. Leghorns.** Little Chicks, and eggs by the setting or hundred for sale; one hundred thoroughbred laying hens, \$1 apiece. Write your wants. S. H. FELTIS & SON, Brown Leghorn Specialists, Sycamore, Ohio. 12-6

**Schilling's S. C. Buff Leghorns Won at Madison Square,** 5 ribbons on 5 entries, including shape special on female. Eggs, \$3 for 15; two settings \$5. B. O. SCHILLING, 443 Central Park, Rochester, N. Y. 12-8

**S. C. B. Leghorns.** We Own To-day Some of the largest in the world. H. N. MURPHY, Box 190, Cooperstown, Otsego Co., N. Y. 12-8

**S. C. Buff Leghorns, Solid Buff Color, Good Size,** prize winners, stock for sale, \$1.50 for 15 eggs. GEO. Z. SOLAND, Philmont, N. Y. 12-8

**Schleeder's S. C. White Leghorns.** Breeding Pens score from 94 3-4 to 96 1-4; winners in hottest competition; eggs gathered three times each day. ANN ARBOR POULTRY YARDS, Ann Arbor, Mich. 12-8

**Rose-combed Buff Leghorns, Solid Buff Matings,** eggs, \$1.50 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottdale, Pa. 12-9

**Single-combed Buff Leghorns—Grand Color and shape; good layers; stock for sale; 15 eggs, \$1.** M. M. BRASS, Niagara Falls, N. Y. 12-8

**Single-combed White Leghorn Eggs from Winter layers,** selected from trap nest. Write for circular. J. SMITH, Lovett, Ind. 12-8

**Listen! D. L. Schrock, Archbold, Ohio,** has Rose-combed Brown Leghorns and White Plymouth Rocks, noted strains; eggs, \$1 per 15; also Duroc Jersey swine. 12-8

**Leghorns, Single-combed Buff and White, Black Minorcas,** are bred to win and lay; 15 eggs \$1; satisfaction guaranteed. MERVIN WINTRODE, Littlestown, Pa. 12-8

**S. C. White Leghorn Eggs from Choice Matings** a specialty for hatching at farmers' prices, 75 cents for 15. R. L. SEITZ, R. 2, Glen Rock, Pa. 12-8

**Eggs from Exhibition Stock, S. C. White Leghorns,** headed by cock that won first wherever exhibited in fall of 1906. S. C. Black Minorcas, yard headed with 9-lb. cockerel direct from Northrup; mating list free. CHARLES E. SHRINER, Taneytown, Md. 12-8

**Our 244 Egg Strain. Single-combed White Leghorns.** From selected stock. Fifteen eggs for \$1.48. SOUTHERN POULTRY FARM, R. No. 1, Woodleaf, N. C. 12-8

**Rose-combed Buff Leghorns; Great Layers; Large birds, good combs, rich golden buff color.** 15 eggs, \$1.50. LEONARD A. WALTHAM, Route 44, New Albany, Pa. 12-8

**Rose-Combed Brown Leghorn Eggs, Cockerels, hens and pullets.** Exclusively Kulp's strain of great layers. Write for prices. Sand Hill Poultry Farm, MRS. THOS. COLE, Pierceton, Kosciusko Co., Ind. 12-8

**Single-combed Buff Leghorn Eggs for Hatching,** 45 for \$2.50; also egg boxes and baskets at low prices. HILLSIDE POULTRY FARM, Cortland, N. Y. 12-8

**Single-combed Brown Leghorn Eggs for Hatching,** also for incubators, from fine, pure-bred show birds. Satisfaction guaranteed. Write for circular. C. JACKSON, Buchtel, Ohio. 12-8

**Little Chicks from Heavy-laying, Prize-winning, farm-raised, Rose-combed Brown Leghorns,** 10 cents each (Kulp). Nothing less than twenty-five. Eggs: \$1 per 15; \$5 per hundred. LEON L. HOUGH, Box A, Canlsteo, N.Y. 12-8

**Winter Layers. S. C. Brown Leghorns.** Eggs, \$1.50 a setting; and Mottled Anconas, \$2 a setting. A. S. DALTON, Kensington, Md. 12-8

**Beauty and Utility. Standard Buff and White Leghorns and White Wyandottes,** containing blood of best strains. Eggs, \$1.25 per 15. WALL POULTRY CO., Savona, N. Y. 12-8

**Eggs from "Sheldon's Famous" Rose-combed White Leghorns,** \$1 per 15; \$5 per 100. MAPLE GROVE POULTRY YARDS, C. M. Sheldon, Prop., Ira, N. Y. 12-8

**R. C. Brown Leghorns; 242 Egg Strain; Direct** from Kulp's Yards. Limited number of settings at \$1 per 15. WM. L. HOWELL, Box S, Genesee, N. Y. 12-8

**Rose-combed White Leghorns; Winners at Nebraska State Show, 1907.** Special prices on cockerels. Eggs in season. Write me for mating list and prices. EVERGREEN FARM, O. O. White, Propr., Route No. 2, Clay Center, Neb. 12-9

**Rose-combed Brown Leghorn Cockerels from Hens** bred to lay, \$2 each. Eggs, \$1.50 per setting. WALTER L. TINDALL, Fernwood, Pa. 12-6

**Lynd's Single-combed Brown Leghorns.** Eggs from prize winning matings at \$2 per 15. Winners at Albany, Schenectady, and Cambridge. ALBERT LYND, Nassau, N. Y. 12-8

**Frank I. Bennett Poultry Yards.** Single-combed Buff, White, Black, Pyle, and Silver Duckwing; Rose-combed Buff, Brown, Pyle, and Silver Duckwing Leghorns. Eggs, \$1.50 to \$5 per 15. Write for circular. FRANK I. BENNETT, Mgr., Point Pleasant, N. J. 12-8

**Single-combed White Leghorns, Show Birds, Stay-white kind.** Stock cheap. Eggs in season. Satisfaction guaranteed or money refunded. Write wants. FRED BAER, Kutztown, Pa. 12-8

**White House Poultry Farm Has 500 S. C. White Leghorns.** If you want any stock or eggs, write to-day. G. F. CUSTIS, Propr., R. No. 9, Findlay, Ohio. 12-8

**Rose-combed Buff Leghorns; Winners at Four** shows of 18 firsts, scoring to 92 1-4. Send for circular. Cockerels cheap. PAUL G. PITT, Watertown, S. D. 12-8

**Black Leghorns, Rose and Single-combed.** Exhibited at Trenton State Fair and Madison Square Garden, N. Y. Write for booklet of information. EDWIN SITGREAVES, Phillipsburg, N. J. 12-8

**Eggs from Single Buff Leghorns—A-No. 1 Stock,** solid Buff—\$1 for 15. Stock for sale. Reasonable. C. E. WILCOX, Cortland, N. Y. 12-8

**S. C. White Leghorns.** Winners at Rochester, Syracuse, Utica, Frankfort, Schenectady, and Albany. Eggs from special matings, \$2 per 15; \$3 per 30; incubator eggs, \$6 per 100. G. S. MOORE, Box 107, Trenton Falls, N. Y. 12-9

**Our S. C. White Leghorns Possess Individuality,** vigor, beauty, and are bred to lay. Eggs for hatching, \$1.75 per 15; \$4 per 45; \$7 per 100. Incubator chicks, \$2 per dozen; \$12 per 100. BIRCHWOOD POULTRY FARM, Box 417, Fishkill, N. Y. 12-7

**Single-combed White Leghorns.—Heavy Winter layers.** I won first, second pullet, second, third hen, third cockerel at Providence, December, 1906; choicely mated trios \$4 and up. Laying pullets, \$1. Eggs, \$1, \$2, \$3 per 15. If you want quality, write RALPH E. TAYLOR, Hope Valley, R. 1. 12-7

**Single-combed White Leghorns.** Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punksutawney, Pa. 12-6

**Single-combed White Leghorns—Have Wyckoff, Blanchard Strain; yearling hens, \$1 each; pullets, 75 cents; prize winners at Hagerstown.** F. G. ZIMMERMAN, LImeklin, Md. 12-6

**S. C. White Leghorns.** Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2. W. J. BLAKE, Burnside, Conn. 12-11

**S. C. Buff Leghorns.** The Real Thing, None Better. Eggs, \$1 per 15. G. L. FERGUSON, Arnot, Pa. 12-8

**For Sale—Forty Choice White Leghorn Breeders** (yearlings), lot for \$40; worth \$75; must go quick. O. L. BARBER, Canton, N. Y. 12-6

**McConnell's Single-combed Buff Leghorns Wins at** Salem, Uniontown, and New Castle; a few good cockerels and eggs for hatching. S. F. MCCONNELL, Beaver, Pa. 12-8

**Maple Grove Poultry Farm—Single-combed Brown Leghorns,** winners at Boston, Washington, Rochester, Erie. Have catalogue, tells all. L. O. BROMLEY, Silver Creek, N. Y. 12-8

**Single-combed White Leghorns Exclusively.** Stock and eggs for sale. Large size; persistent layers; bred for vigor, vitality, laying qualities. OVER BROOK POULTRY FARM, H. T. Stickney, Jay N. Y. 12-8

**\$1 Buys 17 S. W. White Leghorn Eggs from** prize winning 200-egg strain hens. BLUFF LODGE POULTRY YARDS, Washington, Mo. 12-8



## WYANDOTTES

White Wyandottes. You Want the Best Try me; have been breeding and exhibiting twenty years; eggs, \$1.50 and \$3 per 15. W. H. SHUTE, Middletown, Conn. 12-8

White Wyandottes Exclusively. Farm Range, grand breeding stock, white blocky beauties. Winners wherever shown. Eggs, from these matings, guaranteed, 15 for \$1. J. W. PAGE, North East, Pa. 12-8

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-8

Maplestrain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-8

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

White Wyandottes and White Holland Turkeys. Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

Express Prepaid on Eggs of Our Choice Matings of "Snowflake" White and Columbian Wyandottes. Eggs, \$2.50 setting, delivered. MORNINGSIDE POULTRY FARM, Robt. Vandrimmelen & Co., Pella, Iowa. 12-6

White Buff and Partridge Wyandotte Eggs, \$1 to \$2 per 15. White and Buff Cockerels. Free booklet tells the rest. WELLSBORO POULTRY YARDS, Wellsboro, Pa. 12-6

White Wyandottes, Pronounced by Judges to Be the whitest birds wherever shown. Young and old stock for sale; also eggs for hatching from White Wyandottes and Single Comb Black Minorcas. L. G. PLATH, York, Pa. 12-6

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Golden Wyandottes.—Winners at World's Fair, Chicago, Indianapolis, Cincinnati, and every first prize at Louisville (state show) the past four years. If you want fine exhibition stock, fancy breeders, or eggs, write me. W. M. SPALDING, Cox's Creek, Ky. 12-6

Partridge, Golden and Silver Penciled Wyandottes. Eggs, \$1.50 per 15. Satisfaction guaranteed. JAMES SCHRUBB, Urbana, Ohio. 12-6

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 13-2

Partridge Wyandottes.—Winning at the Great Daltastown Show, November, 1906, five firsts, four seconds, silver trophy, cup for best display Wyandottes, any variety. Choice stock for sale. Eggs in season. ENTERPRISE POULTRY FARM, Yoe, Pa. 12-6

For Sale.—White Wyandottes. Cockerels, from \$2 to \$5; hens, from \$1.50 to \$3. Bred from New York and St. Louis winners. R. D. BOL-LARD, New Castle, Pa. 12-6

Partridge, Silver Penciled and Columbian Wyandottes, winners World's Fair, Chicago, Indianapolis, Cincinnati, Cleveland. Stock and eggs for sale. CARVER & AVEY, Columbia City, Ind. 12-6

Golden Wyandottes, Keller and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

Silver Laced Wyandottes; Pure Bred, Perfectly shaped, true lacing, high scoring. From these will sell eggs, \$2 per 15. E. J. KNAUSS, Marion, Ohio. 12-6

Bruce's White and Buff Wyandottes Are Winners for ten years at leading shows. High-class stock for sale. J. R. BRUCE, Box 25, Wooster, Ohio. 12-6

White Wyandottes Exclusively (Duston's and Hallock's direct). Positively pure. Eggs, \$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. HARRY AULENBACH, "Grand View," Wernersville, Pa. 12-6

Tulip Poplar Poultry Farm. Single Comb Reds and White Wyandottes. Bred for heavy laying. Trap nested. Eggs, \$1.50 per setting. COWPERTHWAITES BROS., Berlin, N. J. 12-6

America's Best Silver Penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Apulia Station, N. Y. 12-6

Columbian Wyandottes a Specialty. Ten Pens. Also a few choice pens Silver Penciled Wyandottes, American Dominiques, Light Brahma Bantams. DR. HARWOOD, Chasm Falls, N. Y. 12-6

White Wyandottes, First Cock at Washington Show selected as having the best type on classes, also fifth cockerel in a strong class. Eggs for sale, \$3 per 15. M. E. ROSE, Takoma Park, D. C. 12-7

Buff Wyandottes.—Silver Cup Winners. Plenty of ribbons at Sanatoga, Reading and Blaudon, Pa., Shows. Stock for sale. Eggs \$1 per setting. H. F. YARNALL, Pottstown, Pa. 12-8

White Wyandottes (Duston Strain). Carefully selected matings from prize winning stock. Eggs \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Prop., Hagerstown, Md. 12-7

Golden Wyandottes.—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. F. CHASE, Andover, Mass. 13-4

Columbian and White Wyandotte Stock for Sale. Eggs from prize winners and record layers; \$2 to \$5 for 15. O. R. EDDY, Oconomowoc, Wis. Box D. 12-7

Columbian and Buff Wyandottes, Rhode Island Reds, little chicks; eggs \$2 per 15; stock first prizes at Dowagiac and Kalamazoo. "JONES, of Dowagiac, Mich." 12-7

Our Columbians Won at Detroit, Jackson, Port Huron, and Pontiac 43 ribbons, silver cups, and many specials. Trios, \$15; eggs, \$3 and \$5 per 15. Circular. H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-7

"Oyster's" Silver-penciled Wyandottes, Select Matings from Madison Square and Hagerstown winners. Eggs, \$2 per 15. EDW. OYSTER, Box A, Strawberry Ridge, Pa. 12-7

Eggs for Hatching. Exhibition White Wyandottes and White Leghorns. Incubator eggs reasonable. Write for circular. FLORIS HILL POULTRY YARDS, Floris, Va., Stroud & Walker, Props. 12-7

Thoroughbred White Wyandottes. Pure White birds; good winter layers; stock and eggs for sale. Photos and prices on application. L. P. COULTER, Guilford, Conn. 12-7

Spring Garden Strain Stay White Wyandottes. Get in line by ordering setting eggs, pen trio, pair cockerel; bred from lion and mates strongest female line in East. Record, 176 eggs. C. DARRONE, York, Pa. 12-7

White Wyandottes, Good Hens, Mated to 93 1-2 to 94 1-4 finest male birds; eggs, \$2 per setting; order now. M. T. ROLLINS, Box B, Cardwell, Mo. 12-7

Partridge and White Wyandottes, White Plymouth Rocks, Doolittle, Duston, and Fishel Strains direct. Secret of telling laying hens with every order of stock or eggs. BYERS BROS., Mercer, Pa. 12-10

Buff Wyandottes Bred for Size, Eggs and Exhibition. At two Springfield Shows won 17 prizes, 3 cups. Eggs, \$2 per 15. WALTER BLISS, Ludlow, Mass. 12-7

Whites of Stay White Wyandottes. Great Egg producers. Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. 12-7

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 15. H. F. CHASE, Andover, Mass. 13-4

Columbian Wyandottes Exclusively. The Coming fowl; eggs, \$3 and \$5 per setting from my Carlisle winners. W. G. FREDERIC, N. Factory St., Carlisle, Pa. 12-7

White Wyandottes Exclusively. Duston's Strain. Photographic circular of my first and second prize winners free. Eggs, \$1.50 per 15. J. IRWIN GERHART, Wernersville, Pa. 12-7

White Wyandottes. Duston Strain. Eggs, \$1 per 15; \$5 per 100. Many thousands of satisfied customers. Can fill large orders promptly. ELMER GIMLIN, Taylorville, Ill. 12-7

Columbian Wyandottes. Best That Skill and long experience can produce. Stock and eggs. Eggs 10c, 20c, and 30c each. CYRUS BACHELDER, North Haverhill, N. H. 12-7

Duston Wyandottes. Positively Pure. Large, snow-white layers. Eggs, \$1.50 per 15; \$4.50 per 50. Circular free. J. E. CHRISTIE, Garfield, N. J., Route 13. 12-7

Our Columbian Wyandottes Won First Cockerel and second pullet at Hagerstown, 1906. Stock and eggs for sale. ENGLE BROS., Hummelstown, Pa. 12-7



## Colored Leg Bands for Poultry and Pigeons

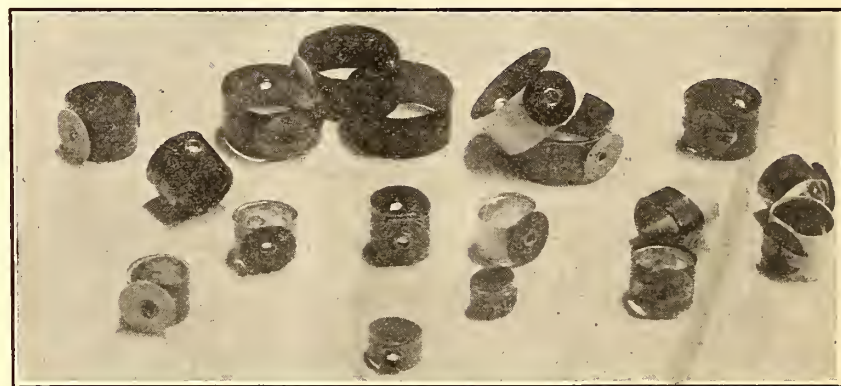
Many inquiries come to us relative to leg bands for pigeons and poultry. We invited Mr. Arthur P. Spiller, of Beverly, Mass., and Mr. E. C. Duffy, of Washington, D. C., to write their opinion on colored bands. What they have to say is recorded below.—Editor.



AMONG the numerous devices and methods for the better care of poultry and pigeons, none have attracted more attention by breeders the country over than the leg bands made in colors and their method of use. The old time way of banding with metal bands requires much work from the fact that a fowl or pigeon must be caught and its band number ascertained to identify it, while with the colored band every bird can be identified at a glance without handling and at quite a distance. Colored bands are made of a colored material in a series of combinations of colors, combined with metal, which is numbered, the

the age of their fowls, by banding the birds of different ages with a certain combination of colors, they are all easily recognized at sight.

Pigeon breeders, especially those engaged in raising squabs for market, find in the colored band the greatest labor-saving device ever presented to them. Each nest-mated pair of birds are banded in some special combination of colors, cock on right leg and hen on the left, having no two pairs banded alike in a pen, even though many of the birds in a pen may look very much alike, yet every bird can be identified at sight and constantly kept under complete control. It matters not whether the breeder has a small flock of breeding birds or that the numbers run into the thousands, the re-



DIFFERENT STYLES OF COLORED LEG BANDS

metal rein forcing and protecting the colored material, which is unaffected by water, only colors being used that have been proven by experience to be the most permanent. We now have a colored band that is durable and intensely practical, costing but a trifle more than common metal bands. Thousands of breeders of both pigeons and poultry all over the country are quick to see its value and have adopted it.

The methods of use may vary, but the main object is to be able to identify the birds by the color of the band. Any breeder knows how difficult it is and how much labor is sometimes involved when breeding stock gets mixed to separate and return them to right quarters, and especially when the fowls are all of one color and variety. With the birds in each pen banded in a different color or combination of colors, if one or more get into the wrong pen they are quickly noticed and can at once be returned. The skillful breeder conducting a series of line breeding has in the colored band an instrument of immense value, as each family or line of breeding is easily kept under constant observation, and all without the necessity of handling a single bird after once being banded.

For the market poultrymen, farmers, or small breeders, who simply wish to know

suits are the same. Every bird in each pen is easily identified without handling.

This method may also extend into the sales pens, or applied to youngsters intended for breeding, by banding them with any special color or combination of colors to indicate any purpose desired.

There is no question but that the colored band has come to stay; having been on the market several years their value has been fully established, and there is no other method by which the same results can be obtained. All records may be kept by the colors, or when desired, a memorandum of both the colors and numbers may be made.—Arthur P. Spiller.

While colored leg bands have been known and spasmodically used for many years, they have only lately come into general use. Their many advantages are now thoroughly recognized, and breeders on the large scale could not do without them. It is evident that the first idea was to make a band of celluloid for lightness and cheapness. Then the coloring was used to make them attractive, and when several colors appeared, the idea of banding all the young of one pair of birds with a certain color and the young of another pair with a different color was adopted, an idea once presented such

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## Something about Eggs



OME difference of opinion exists as to the age at which hens should be retired from the laying pens to the soup pot. The following figures should throw some light on the subject. These figures, which are complete records of two years, were ascertained at the Agricultural College of Utah, U. S. A. Thirteen Brown Leghorns laid an average of 193 eggs the first year, per pen, and 157 the second year; five barred Plymouth Rocks averaged 154 eggs the first year, and 110 the second; sixteen White Wyandottes averaged 170 the first year, and 111 the second; and three White Plymouth Rocks 192 the first year, and 129 the second. Of forty-one hens of different breeds, an average of 178 eggs per fowl was obtained in the first year, and 125 the second, or forty per cent. more the first year than the second. Perhaps it would be possible by a proper selection of breeding stock, to establish a strain of fowls that will lay as well the second year as the first.—Northwestern Farmer.

The every-day world is full of wonderful things, yet when you give a moment's thought to an egg—well, a chemist would tell you it contains so much protein, phosphoric acid, and iron. But one should think of it as a

Treasure house, wherein lie  
Locked by angel's alchemy  
Milk and blood and bone.

An egg contains in concentrated form everything that is required to develop a chicken, and it can be cooked in so many ways that it is palatable as well as digestible. That is why eggs are chief among the foods allowed an invalid. Though chemists have tried for a thousand years to discover it, nothing in science or in all our variety of foods can be transformed into a substitute for eggs. Of course, one could, if necessary, cook without them, only it would mean going without a score of dishes we think are every-day necessities, such as custards, cake, puddings, griddle cakes, to say nothing of the abundant use of what we

might call purely egg dishes.—From The Delineator.

The food value of eggs is reckoned by scientists that six are equal to one pound of beefsteak, and they are thought to be much more easy to digest. Eggs are very rich in protein; the white contains 86 per cent. of water, while the yolk contains but 49 per cent. of water; the white 12 per cent. protein, the yolk 15 per cent. protein; the yolk contains over 30 per cent. of food. Eggs are most nutritious as food, most easily prepared of all palatable dishes for breakfast. Some claim that soft-boiled eggs are to be preferred, while others teach that eggs boiled fully ten minutes are the most digestible of any manner of preparing them.

Eggs used for hatching should be as carefully selected as possible; smooth, even, regular sizes and shapes are always the best. Irregular, unnaturally large and ill-formed eggs are not desirable for hatching. Poultry kept for producing eggs for hatching should have a variety of nitrogenous foods, as this seems to be the most acceptable. In grading eggs for market, select them all according to size, shape and color. This makes them much more valuable when sent to market.

Never wash eggs that are to be sent to market. If they are soiled, try to scrape this off with a piece of glass or a sharp knife, using the edge of same to remove the dirt. An egg that is washed really appears less attractive than if the dirt showed thereupon in its natural state. People will not purchase at the highest prices eggs that are the least bit soiled, nor will washed eggs sell any better than the soiled ones.

It is much better to pay the expenses of a new shipping case for your eggs when you send them to market than to ship them in an old one that costs you nothing. The appearance of the original package has a great deal to do with the sale of the eggs. There is a general movement all over the country for a better egg product. The state legislatures, the state board of trade, the local egg buyers and shippers, are all forcing the idea upon the producer that eggs must be better cared for, selected and shipped than ever before, to make the most profits from their sale.

## Colored Leg Bands for Poultry and Pigeons

Continued from page 32

a convenient method of distinguishing the line of descendants that it was at once generally adopted. Then came the multicolor bands. These were found necessary when the possible combinations of the single color had been exhausted. Now with both single and multicolor rings and the use of them on both legs, and with a little system, there is practically no end of the records and pedigrees that can be made always apparent to the glance of the breeder.

In fact, the brilliant and contrasting colors are so readily observed that these rings are now used for all manner of distinguishing marks. As they can be had in the seamless and open varieties, their uses are again multiplied for permanent and temporary purposes. These rings are

not only very useful and indispensable to the Homer and squab breeder, but are very convenient to the breeders of fancy varieties, to distinguish one or a number of birds for any of the thousand reasons that appear during the season. This line, like all others, has the attention of thinking people, and the improvements are many and varied. The end is not yet. Some rings are made on a metal band, or have a metal lining for durability. Others have added a button to the ring to extend the number of combinations, by giving one or more colors to the button, and from time to time we may expect other and probably better innovations in this line. But the color band is a staple article and a great boon to pigeon fancy.—E. C. Duffy.

Many Years a Breeder of White Wyandottes, Duston strain, and Pekin Ducks, Rankin strain. My birds are beautiful, healthy and unsurpassed in laying qualities. I treat all of my customers fairly and guarantee satisfaction and I know that I can please you. Eggs in season. Wyandotte, \$1.50 for 15; Duck, \$1 for 11. L. HARRIS CREWE, Still Pond, Md. 12-7

White Wyandottes Exclusively. The Kind That stay white; Standard bred from vigorous blocky birds. If you want the best write me. Stock and eggs in season. FRANK L. SMITH, Box 226, Flemington, N. J. 12-7

Golden Wyandottes Only. Keller Strain. Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. W. S. BUSS, Catasauqua, Pa. 12-10

White Wyandottes Bred for Business. Fine, large birds, heavy layers, guaranteed to give satisfaction. Eggs, \$1.50 to \$2 per 15. L. W. GILLINGHAM, Acotink, Va. 12-7

White Wyandottes, Thirteen First Prizes, 1906; first prize, males and females, for sale; first pen all first prize birds. Eggs, \$3. A. A. MILLER, McKeesport, Pa. 12-7

Silver-laced Wyandottes, Exceptionally Fine Standard marked Cockerels. Dr. Beckett's celebrated strain; satisfaction guaranteed or money refunded; \$3 to \$4 each. Now booking orders, eggs for hatching, \$2 for 15. J. PERCY SMITH, Woodbury Heights, N. J. 12-7

Partridge Wyandottes. Winners at Chicago, Detroit, Holland, Ann Arbor, etc. Eggs, \$4 per 13; stock for sale. Circular. DR. C. M. BASKERVILLE, Mt. Pleasant, Mich. 12-7

White Wyandottes Exclusively. Duston, Large, Blocky Farm Range. Eggs, 15 \$1; 30 \$1.75; 100, \$5; 200, \$9; 300, \$12. WILLIAM GALBRAITH, Ronte 12, Chambersburg, Pa. 12-7

Plain View Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte Cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalog. LEWIS, Magnolia, N. J. 12-7

White Wyandottes—"Duston Strain." Eggs a specialty from fine matings. Some exhibition and breeding stock for sale. Write me your wants and profit by it. LESLIE C. POULTRY FARM, J. E. Haynes, Prop., Prairie du Rocher, Ill. 12-7

Eggs, White Wyandottes, 15 for \$1; 50 for \$2.75; 100 for \$4.75. A choice pen of Buff Orpington eggs, same price as above. L. PARSONS, Rosemond, Ill. 12-7

Lewis' Bred to Lay White Wyandottes. High quality business birds. Eggs from choice pens of heavy layers, \$1.50 per 15. Cockerels. EDW. H. LEWIS, Magnolia, N. J. 12-7

You Win with Imperial Strain White Wyandottes. Line bred for past eight years. Satisfaction guaranteed. Write for circulars. IMPERIAL POULTRY YARDS, Box 9, Shrewsbury, Pa. 12-7

White Wyandottes, Fishel Strain, for Sale; Fifty pens and pullets, twenty cockerels, must sell for want of range. Fine birds, pure white, bred for size, laying qualities, and for exhibition. Write me for prices, I can please you. MRS. HARRY FARNHAM, Vermillion, Ill. 12-7

Wyandottes—(White). Eggs, Cockerels, Pullets, and cocks. Will book your order for eggs at \$1 for 13; cockerels and cocks, \$2, \$3, and \$5. pullets \$2 and \$3. All thoroughbred, pure white, no brass, and must please or no sale. E. M. MELLOR, Rugby Poultry Yards, Sykesville, Md. 12-7

Carefully Bred White Wyandottes! Two Pens of eleven birds each; standard weight, pure white; inspection solicited; orders booked now. Eggs, \$2 per 15; \$6 per 50. Also twenty fine cockerels. Prices reasonable. J. S. LUDINGTON, Patterson, N. Y. 12-6

Thoroughbred White Wyandottes.—Exceptional winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickory Hill, Pa. 12-6

Brookside Poultry Yards. Buff Wyandottes! Fine cockerels and a few trios to spare. Eggs in quantity to suit. Early spring orders solicited. Competent foreman and assistants. MISS MILDRED HAYNES, Prairie du Rocher, Ill. 12-7

Plain View Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalogue free. O. J. AUSTIN, Pana, Ill. 12-8

Partridge Wyandotte Eggs from My Prize Winners, \$3 per 15; Rose-combed Buff Leghorns, \$2 per 15. Circular free. L. S. ELDRED, Himrod, N. Y. 12-8

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 12-5

White Wyandottes Only That Are Pure White and stay white. Best pen, \$3 for 15, or \$5 for 30. (I guarantee satisfaction.) Will give you what you are willing to pay for. Pen No. 2, \$1, 13 eggs. My fowls are prize winners and layers, and money can not buy any better. WAKEFIELD KENNELS, Wakefield, R. I. 12-8

Partridge Wyandottes. Handsomest Variety by all odds. Good layers. Large, blocky birds. Eggs for hatching, \$2 per 15. All extra stock sold. E. H. PROTHERO, Du Bois, Pa. 12-8

White Wyandottes; "Dustons." Eggs, Guaranteed fertile, \$1.50 per setting; \$8 per 100. Single-combed White Leghorn eggs, \$5 per 100. SUNNYBROOK FARM, Branchville, Conn. 12-8

White Wyandottes That Speak for Themselves; won 13 ribbons and 3 club specials in 17 entries. MRS. LAURA KUNKLE, Kunkle, Ohio. 12-8

Won More Prizes on White Wyandottes at Rochester than any competitor. Nineteen prizes on Silvers at N. Y. State Fair, Waterloo, Auburn, and Rochester. 15 eggs, \$2; either variety. LEROY W. SEIGFRIED, Waterloo, N. Y. 12-8

Buff and Partridge Wyandottes; a Few Cockerels of each variety with good combs, shape, and color for sale at \$3 and up. Satisfaction guaranteed. IRVING R. NOBLE, Watervliet, N. Y. 12-6

Columbian Wyandottes; None Better; First Prize at Salamanca Show. Eggs from prize winning pen. \$3; utility, \$2 setting. MAPLE GROVE POULTRY YARDS, Machias Junction, N. Y. 12-8

Columbian and White Wyandottes; Prize Winners at Hagerstown, Rockville, and Washington. Also prize winners in R. C. Buff Leghorns, S. C. Buff Orpingtons, and B. P. Rocks. Stock for sale. Columbian Wyandotte eggs, \$2; other varieties, \$1 for 15. Incubator eggs a specialty. J. D. SUMNER, Kensington, Md. 12-8

Partridge Wyandottes; Winners at Ravenna and Cleveland. Stock and eggs from prize winners for sale. W. B. NICHOLS, "The Partridge Wyandotte Man," Ravenna, Ohio. 12-8

McIntyre White Wyandottes, Sheboygan, Wis. Whitest bird at Marinette, Sheboygan, Oskosh, 1st young and old males, Milwaukee, Manitowish, Marinette; same week, different birds. Eggs, \$2. 12-8

Striebig's Silver and White Wyandottes Win wherever shown. At York—Silvers, 1st and 2d pullets; whites, 2d pen. Dallastown—Silvers, 1st 2d and 4th pens; Whites, 2d cock, 2d hen, 1st pullet, and 1st pen, and special for highest scoring bird in show. Utility and exhibition stock for sale. Eggs in season. Prices right. J. I. STRIEBIG, Spry, Pa. 12-8

Columbian and White Wyandottes; Blue Ribbon egg strain; winners at Philadelphia Show. Eggs, \$1.50 per 15; \$4 per 50. DEPTFORD POULTRY FARM, Sewell, N. J. 12-8

White Wyandottes Exclusively. Eggs, Choice matings, \$1 per setting; \$5 per 100. REGAL POULTRY YARDS, Marietta, Ohio. 12-8

Silver Penciled Wyandottes; Winners at Brockton, Lynn, and Springfield. Stock and eggs for sale. Eggs, \$2 per 15. J. F. HOWLAND, Taunton, Mass. 12-8

Partridge Wyandottes a Specialty. Winners 23 prizes—Malone, Johnstown, and Auburn, N. Y., and St. Albans, Vt. Eggs, \$3. Circular. C. P. RICHEY, Malone, N. Y. 12-8

Eggs for Hatching from Snow White Wyandottes, \$1 for 15; incubator eggs, \$5 per 100. Stock for sale. W. H. CLEMENS, Saginaw, Pa. 12-8

White Wyandottes Exclusively. Stay-white Stock for sale. \$2 for 13 eggs; 3 settings for \$5. Write for wants. ABRAHAM SCHANNAUER, Box 77, Wernersville, Pa. 12-8

Columbian Wyandottes. Eggs in Season, \$3 and \$5 per 15 from my prize winners of the great Central Show at Carlisle, Pa. H. C. CART, Carlisle, Pa. 12-8

Silver-penciled Wyandottes; Winners at Providence, Boston, Brockton, Lynn; large fine penciled birds; also a few settings. Columbians. Eggs, \$2. J. E. MORSE, Taunton, Mass. 12-8

Partridge Wyandottes! Look Up My Madison Square Garden and Boston show records. Eggs, special matings, \$5 per 15; \$10 per 100. J. C. MACOMBER, Reading, Mass. 12-8

White Wyandottes—The Kind That Pay. Eggs, \$1 per setting. WOODLAWN FARM, M. L. Ansley, Clarks Summit, Pa. 12-8

Partridge Wyandottes Exclusively. Young and old birds a specialty. Choice pen, \$10; trio, \$6; cockerel and cock, \$3; or 3 for \$6. Eggs, \$3 for 15. EUGENE JOHNSON, Maywood, Mo. 12-8

Premier Strain White Wyandottes. Won Every first and second prize in every class, Cleveland Show, 1907. Whiteness, strength and vigor. DR. W. H. HUMISTON, Cleveland, Ohio. 12-8

Madison Square Garden Winners.—Our Record last year: Madison Square Garden, 1st pen, 2d cock, 5th cockerel. Boston, 1st cock, 3d hen, 3d and 6th cockerel, 4th and 6th pullet. Great Eastern Poultry Show, New York City, 1st and 3d cock, 1st 2d and 3d hen, 3d cockerel, 3d, 4th, and 5th pullet, 1st pen. Special for best display. This is the record that speaks for itself, and was made last fall and winter. Young and old birds for sale that will win. HORACE HAVEMEYER, Stamford, Conn. (Breeder White Wyandottes). 12-8



In Competition with "The Best in the World" at Scranton we won every first in open class. Mayor's \$100 cup for best silver Wyandotte in show, cash special for best male and female; 66 competing. SAMSON & ALDEN, Forest City, Pa. 12-8

Eggs from Empire Strain White Wyandottes Are sure to produce results. Our stock is snow white, and has size and vigor. Eggs from best pens, \$2 per 13; \$8 per 100. 75 per cent. fertility guaranteed. HILLSIDE POULTRY YARDS, Herbert B. Rowedder, Propr., Jamaica, N. Y. 12-8

Columbia Wyandottes. Won 1st Cockerel, 1st and 2d pullet at Findlay Show. Eggs for sale. Write B. F. BIBLER, Box 81, Route 5, Findlay, Ohio. 12-8

White Wyandottes and Buff Cochins. Special Introductory prices. Eggs, \$1 per 13. Stock very reasonable. Score 90 to 94. Won prizes Columbus, Cincinnati, Dayton, Sidney, Portland, Indianapolis, Complements. Circulars free. S. BERGER, Yorkshire, Ohio. 12-8

White Wyandottes Exclusively. Good Fertile Eggs for hatching; also excellent cocks and cockerels at reasonable prices. Circular free. SUNFLOWER POULTRY YARDS, Box A, Oceanport, N. J. 12-8

Golden Wyandottes, the Breed for Beauty and business. Eggs, best birds, \$1.50 per 15; utility stock, \$1 per 15. R. W. PARKER, Williamsport, Pa. 12-8

Eggs from High Scoring Buff Wyandottes. Solid buff birds, blue ribbon winners at Greenfield, \$2 per 15. Send orders early. GUY J. POTE, Bridgewater, Iowa. 12-8

Partridge Wyandottes Exclusively. Fine Young stock for sale; bred from prize winners only. Eggs, \$3 for 15. O. SUESSENGUTH, Uhrichsville, Ohio. 12-8

Columbia Wyandottes, Portland, Me., 1907. 11 prizes, cup, New York, 1907; 3d pullet, 5th cockerel on 4 entries. Eggs, \$5 per 13; special mating eggs, \$1 each. S. T. EVELETH, Portland, Me. 12-8

My Buff Wyandottes Always Win; Winners at Scranton and Wilkes-Barre, 1906; winners at Scranton, January, 1907. Eggs, \$3 per setting. White Rocks, winners at Scranton, eggs, \$2. Satisfaction guaranteed. E. GRIFFITHS, 115 W. Market St., Scranton, Pa. 12-8

Partridge Wyandottes! World's Fair, Chicago; St. Louis winners. Fine cockerels, trios, and pens. Prices low for quality. Eggs for hatching, \$2, \$3, \$5, setting. No better birds ever mated. OTTO CANNON, Box A33, Elsberry, Mo. 12-8

White Wyandotte Eggs from My Standard-bred, heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circulars free. R. C. WARMAN, Washington, N. J. 12-8

Columbia and White Wyandottes; Winners at Cleveland, Cincinnati, Dayton, Columbus, Toledo. Catalogue and egg circular ready. Eggs, \$3 and \$5. CHAS. E. CRAM, Carey, Ohio 12-8

"Invincible" White Wyandottes, Because We have the best vigor, weight and breeding order stock; also eggs at \$2 for 15. H. MARKS, Roscoe, Ill. 12-8

First Prize on Golden, Cock and Hen, at American Poultry Association Show at Auburn, 1907. Cockerels for sale. Eggs in season. JOHN R. STEELE, Romulus, N. Y. 12-8

Bargains! A Few Trios of First-class Columbia Wyandottes left at \$6 to \$10; trio cockerels, \$3 to \$5. Good breeders. F. G. BEAN, Collegeville, Pa. 12-8

White Wyandottes! I Have Mated Two Selected pens that are up to date and Standard weight with the proper shape, and white as snow. Eggs, \$1.50 per setting. Try them, and be convinced that I can please you. S. L. HETRICK, Punxsutawney, Pa. 12-8

"Fishel Strain White Wyandottes. 993 Eggs from 51 pullets during December. Eggs, 10 cents each. Order now. PHIL WEBER, Canal Winchester, Ohio. 12-8

Columbia Wyandottes! At Nevada Poultry Show, 1906, won all premiums given on Columbia Wyandottes. Eggs, \$2 per 15. F. A. RECTOR, Box 206, Nevada, Mo. 12-8

White Wyandottes! Pure, White, Short Legs and Blocky. Good layers of large, brown eggs. First prize hen at Newark, 1906. All selected breeders. Eggs, \$1.50 per 15; \$4 per 50; \$7 per 100. Satisfaction guaranteed. W. T. FOSTER, Woodstown, N. J. 12-10

Wyandottes; White and Silver-penciled. At Utica, N. Y., January, '07, I won 22 regular and 17 specials on these varieties, including every first prize. Eggs, \$2 and \$3 per setting. Send for mating list. AUSTIN G. WARNER, New York Mills, N. Y. 12-10

Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Little, and Philadelphia. Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm flock. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 13-5

Poultry for Profit. I Have the Winter Laying strain. White Wyandottes lay well all winter. Eggs, \$1 per 15. JOHN DORN, South Schodack, N. Y. 12-8

Columbia Wyandottes (Arnold, Richardson), Yards headed by sons of "Teddy." Eggs, \$1.50. Also "Lords" Buff Wyandottes. Circular. WM. SEIDEL, Box F, Washingtonville, Pa. 12-8

White and Columbia Wyandottes. Blue Ribbon winners whenever shown; stock for sale; eggs for hatching. Write for circular. MAX FRIES, F. 254, Warsaw, Ind. 12-8

Partridge Wyandottes. Winners Wherever Shown. Won at great Chicago Show, 1907—2d and 3d cock, 3d hen, 2d pen. At great Indianapolis Show, 1907—2d cock, 1st hen, on 2 entries; 21 ribbons at four other shows this season. Stock and eggs for sale. WM. ERFURTH, South Chicago, Ill. 12-8

Hacker's White Wyandottes. Hens, Cockerels, pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-8

White Wyandottes. Fine Utility Stock; trios, \$5 to \$7; pens, \$8 to \$10. Eggs in season. JNO. A. COLE, R. D. 2, Saugerties, N. Y. 12-8

Silver Wyandottes. Winners at Madison Square, Walden, and Kingston. Choice stock for sale; eggs from finest exhibition matings. Circular free. OLIVER CARTER, Tillson, N. Y. 12-8

Buff Wyandottes; Eggs from Winners That Will produce winners; your money's worth every time; stock for sale; circular free. J. E. WILLMARTH, Amityville, N. Y. 13-5

Columbia Wyandottes. At Lynn and Boston, January, 1907, we took these prizes, three entries each place—3 1st, 1 2d, 1 3d, 1 4th, 2 specials. Eggs, 15 for \$3; 30 for \$4. Cockerels for sale. O. F. BLACK & SON, Jefferson Street, Newton, Mass. 12-6

Staggs Range Farm White Wyandottes; Remember one of the great laying strains; quick growing, early maturing; eggs for hatching from high-class matings. \$2 and \$4 per setting; Utility, \$1 per setting, \$5 per 100. Circulars. HENRY W. KRAMER, Specialist, Glenville, York Co., Pa. 12-9

For Sale—Choice White Wyandotte Cockerels. Won 3d and 4th cockerels at Canisteo. Hottest class of Wyandottes outside of largest shows, says Judge Webb. My best ones unsold. Eggs for sale. GEO. S. CHASE, Bennettsburg, N. Y. 12-8

Buff Wyandottes. First Pen, Scranton. Eggs, \$2 for 15; a few fine cockerels. White Leghorns, Blanchard strain, \$1.50 for 15. F. M. TIFFANY, Dalton, Pa. 12-8

Buff Wyandottes, True to Color and Shape. Winners at Great Washington show; choice cockerels, \$3 up; eggs, \$3 per 15. MRS. ELLA F. REMSEN, Annapolis, Md. 12-8

Sacrifice Sale—Columbia Wyandottes, Fine as grow; five cockerels, twelve pullets, trios, \$10 up; entire lot for \$50. J. W. BRINSSER, Manchester, Va. 12-8

White Wyandottes, 240-egg Strain—Eggs for hatching a specialty; \$1.25 per 15; \$2.25 per 30; \$3 per 45; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbia Wyandottes. The Coming Utility fowl. Eggs for hatching a specialty; \$2 per 15; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbia Wyandottes and Barred Rock Eggs from exhibition matings, \$2 a setting; three settings, \$5. J. R. LANE, Fort Edward, N. Y. 12-8

Partridge Wyandottes. Eggs from Specially Selected, handsomely marked, fine laying stock, Hadaway and McKelm strain; limited number at \$2 per 13; square treatment. Satisfaction guaranteed. B. A. READ, No. 3 Wheeler Ave., Binghamton, N. Y. 12-8

Columbia Wyandottes, America's Champions. Won 32 firsts and special prizes at New York and Boston, 1907. Eggs from prize matings, one setting, \$5; three settings, \$10; five settings, \$15. Choice birds for sale. See large ad. A. C. HAWKINS, Box 28, Lancaster, Mass. 12-8

White Wyandottes—Strictly High Grade Stock; no brass, no black feathers; they lay well and always win; trap nest pedigree; stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis Junction, Md., Box 83. 12-8

Silver Penciled Wyandottes. We Have No More stock for sale. Eggs at \$1 per setting of 13; we keep nothing but Silver Penciled Wyandottes and the best strain at that. Write. MONTROSE STOCK FARM, Deanwood, Fairfax Co., Va. 12-8

## MINORCAS

Winona Farms, North Paterson, N. J., Won at Madison Square Garden, 1907, 1st and two specials on Hen, 5th on cock, silver cup and five other specials. Eggs, \$3 per 13; \$5 per 26. 12-8

Rose Comb Black Minorcas Exclusively. Breeding and exhibition birds at reasonable prices. Eggs, \$3 for 15; two settings for \$5. I breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

Dexter's S. C. Black Minorcas; Leading Winners at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9



## Echoes from the Winter Shows



WE CAN NOT but feel highly complimented by the courtesy shown us by some of the notables from abroad during the winter shows; as, for instance, Mr. Shimpeo Sato, Vice-president Japan Poultry Association, called upon us several times during the New York and Boston Show. THE FEATHER booth seemed to be one of the attractive spots in the show room to this interested gentleman. The Editor of the Poultry Department of the American Agriculturist called upon us several times at New York and Auburn, as did Mr. Fuller and the representatives of Country Life in America. Mr. A. K. Kalauanaole, representative of the Agricultural interests in the Hawaiian Islands called upon us during the

the American Poultry Association. At the Auburn meeting of the American Poultry Association, Mr. Grant M. Curtis presented each member of the Association a photo-engraving copy of the American Standard of Excellence at the Convention of the Association held in Buffalo, N. Y., January 15, 1874. This is a most interesting souvenir, and every one should feel under more than passing obligation for having received such a courtesy from the hands of Mr. Curtis, and the Editor and Associate Editor of this paper publicly tender to Mr. Curtis their thanks for this beautiful souvenir of the first edition of the American Standard.

Mr. F. H. Davey, of Graystone Poultry Farm, Yonkers, N. Y., came to the Garden with a most beautiful lot of Plymouth Rocks. If there is a man in the country



COLUMBIAN WYANDOTTE

Washington Show, exhibiting more than usual interest in the fine display of poultry. In addition to these, we had the pleasure of having Mr. Graham, of Experimental Station, Poultry Department of Canada, his brother, Professor of Husbandry, Connecticut Agricultural College, Mr. Bolt, of the Rhode Island Agricultural College, Mr. James E. Rice, of Cornell Agricultural College, Mr. F. E. Dawley, Director of Poultry Institutes, City of New York, and Mr. George E. Peer, former Secretary of the American Poultry Association; all of these we were more than delighted to meet. Of the old guard, we were visited by Mr. A. M. Halstead, of Rye, N. Y.; Philander Williams, of Taunton, Mass.; Mr. J. K. Felch and his brother, Natick, Mass.; Mr. J. Y. Bicknell, of Buffalo, N. Y. All of these were connected with the early history of

more of an expert with these than he, we are at a loss to name him. Mr. Davey informs us that he is quite anxious to become once more identified with the fancy as an individual breeder of fine exhibition stock. The records of the show as reported in our February issue points conclusively to the high quality of the beautiful specimens shown by Mr. Davey and the Graystone Poultry Farm.

The exhibit of Hillcrest Farm, of Falls Church, Va., the property of Mr. A. M. Lothrop, of this city, was much admired throughout the entire Washington Show. The true fancier spirit is strongly represented by Mr. Lothrop, who would not enter his birds for competition, but for exhibition only. Mr. Anderson, his manager, is certainly an expert in the handling of fowls, Jersey cattle and Berkshire hogs.



Painesville, Ohio, pulled off a remarkably good show during the week of January 9. Mr. D. J. Lambert placed the awards satisfactory to all. Secretary Ayer is to be congratulated on the successful termination of the Eleventh Annual for Painesville.

During Saturday of the Washington Show, Masters Kermit and Archie Roosevelt visited the hall. It was more than gratifying to notice the amount of enthusiasm displayed by these two youngsters in looking through the poultry exhibit. Both seemed more than interested in the display. Their queries showed thought and consideration. One gentleman present remarked that he believed there was not a boy over seven years old in the City of Washington, who did not know Edward Schmidt, the bird-store man. It was through his care and attention that so many of the young people from Washington City visited the show.

Farm Poultry, at Boston, issued a four-page extra, giving the editor's report of the meeting of the American Poultry Association at Auburn. In this was told the history, or rather the doings of the Association for the last eight years. We presume that each reader of Farm Poultry received one of these. While the editor of this journal is not in accord with the Association and its new organization, he does give a reasonably good report of the results of that meeting.

Mr. George Fox, of Torresdale, Philadelphia, Pa., has been more than successful during the past season in the exhibiting of his Buff Plymouth Rocks. He was successful at Madison Square Garden, the Great Boston Show, at Hagerstown, at the World's Fair, St. Louis, and at the recent Philadelphia Show. He gives his own individual care and attention to his flocks, and breeds his own winners and knows how to exhibit them to the best advantage, and is a success.

One of the most successful exhibitors at the Washington Show was the Friendship Heights Poultry Yards and the Potomac Pigeon Lofts. The award lists of the February issue told of their winnings, but even this could not give full credit to the real value of the Brahmas, Plymouth Rocks, and Wyandottes shown by the Poultry Yards, and the quality of the Pigmy Pouters from the Georgetown lofts. Real merit but seldom gets its full complement of praise, even in the award lists. We doubt if there has been a better lot of Barred Plymouth Rocks bred or better Wyandottes shown than those from the Friendship Heights Poultry Yards. The Light Brahmas from the same were simply superb.

Colonel J. D. Summers, of Kensington, Md., can be proud of his display of Columbian Wyandottes at the Washington Show. This gentleman made some good winnings at Hagerstown the past two years, and did remarkably well at the Washington Show, as above indicated.

The White Wyandotte Club met at New York, and elected Horace Haver-meyer as president, and W. R. Graves, of Springfield, Mass., secretary. This club paid out \$100 in special premiums at the New York Show, leaving a nice balance in their treasury. At the annual meeting of the Dorking Club, at Boston, Mr. Henry Hales was elected president; George P. Inches, vice-president, and Robert Officer, of North Grafton, Mass., was elected secretary and treasurer. This club is doing a good work for the Dorkings.

At Auburn we met Fred C. Lisk, of Romulus, New York, who had at Auburn, N. Y., a beautiful lot of White Wyandottes.

The illustration in this number of THE FEATHER gives an idea of the quality of his stock.

At the late winter shows Mr. M. E. Rose, of Tacoma Park, exhibited a White Wyandotte cock bird at the Washington Show, an illustration which we expect to make use of in an early issue of THE FEATHER to show what we consider the proper Wyandotte type for a male.

Mr. J. F. Defandorf, of Garret Park, Md., had some most attractive White Plymouth Rocks in the Washington Show. These two are on the right track, and we believe will become most successful breeders in their quality.

We have a letter from Mr. E. C. Elmore, complimenting our article on Wyandottes in the January issue, in which he states that we hit the nail exactly on the head. He sends us the photograph of a pair of his fowls which we wish had reached us in time for use in the January issue. He expresses hopes of seeing our article promised on head points in our February issue. We have not as yet the proper illustrations for this article, which will appear as soon as we can get them.

We have received from the secretary of the Scranton, Pa., Show, the official catalogue and premium list of their late exhibit. It is impossible for us to publish any more show awards in the limited space of our paper, but we wish to call attention to the fact that there were awarded at the Scranton Show the following cup specials: Five cups valued at \$100 each, the Megargee Challenge Cup, valued at \$150, to the best Columbian Wyandotte, and other cups valued from \$10 to \$50 were included in the list besides \$100 in cash specials. The Scranton Show is becoming one of the winter features of Pennsylvania.

## Broilers and Turkeys

The growing of winter broilers has been successfully tried in some localities of the West as follows: Chicks hatched in September and grown, being fed for as quick growth as possible, were marketed in the large cities late in November most advantageously. We have known this to be tried with but little success, when little attention was paid to feeding, housing and protection of nights. We have also known pleasing results gained from this plan of broiler growing. In one instance several hundred September-hatched chicks were placed in brooders, the brooders set beneath sheds, and chicks taught to go and come from the brooders; and the building enclosed with glass-filled sash during bad, inclement weather. Some broilers of this kind were marketed at from 75 to 90 cents apiece, when less than three months old, in November.

Those who have never had the experience of witnessing hundreds of wild turkeys feeding on the range, or a smaller number of domestic turkeys or guinea fowls ranging over the lands, would scarcely understand the meaning of it. Each one of these is likely to consume more than a thousand destructive insects of one kind or another during the day. Imagine a flock of a hundred guineas, consuming one hundred thousand insects of one kind or another in a single day. Compare to this the amount picked up by turkeys, old and young, in the same time, and one can imagine the good they do in every locality. Where they are kept, seldom if ever do we see the asparagus beds eaten up by the beetles.

Beautiful Rose C. W. Minorcas, \$4 per Pair; eggs, \$1.50 per 15; P. Wysudottes, \$3 per pair; eggs, \$1 per 15 in season. J. H. SWISHER, Salem, Va. 12-6

Some Exceptional Values in S. C. Black Minorca Cockerels (Northup strain). Can supply your wants. Satisfaction guaranteed. DR. E. D. GEIGER, Chenoa, Ill. 12-6

15 Eggs, \$1! From Prize Winning S. C. Black and S. C. White Minorcas. Some choice birds for sale. CHAS. M. PALMER, Nassau, N. Y. 12-7

"Green-Jet" Rose Combs! Bred Green, Not "to the purple." Exhibition cockerels and breeders. Prices reasonable. Eggs, \$3. GEORGE P. NORTHROP, Westwood, N. J. 12-7

Rose Comb Minorcas, Black and White, Winners Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

Our Black Minorcas Won First Cockerel at Hagerstown, 1906. Exhibition cockerels and eggs for sale. ENGLE BROS., Hammelstown, Pa. 12-7

Ferguson's White Minorcas, Prolific Layers of large, white eggs. Pure bred stock. Eggs \$2 per setting. N. H. FERGUSON, Route 3, Randleman, N. C. 12-7

Here's Your Chance. Must Sell. None Reserved. 75 S. C. B. Minorca yearling hens, \$1.25 each, in one lot; \$1.50 each in smaller lots; grand layers of largest eggs. Northup strain. JOHN HELLEMAN, Doylestown, Pa. 12-7

Rose and Single Comb Black Minorcas. Bred from winners at Boston, Rochester, and Auburn. Stock and eggs reasonable. Circular for stamp. M. V. ALLEN, Ovid, N. Y. 12-7

Rose Comb White Minorcas. Stock and Eggs. E. S. CRUMBLING, Marysville, Pa. 12-7

Single Comb Black Minorcas! Bred for Beauty, new Standard weight, and great egg-laying qualities. Have some fine show specimens, especially large cockerels, to offer. Write to-day for illustrated price list on stock and eggs. CHARLES G. PAPE, Fort Wayne, Ind., 1617 N. Cass St. President American Minorca Club. 12-7

Rose Comb Black Minorcas Exclusively. Eggs, \$1.50 for 15; two sittings for \$2.50. I breed for quality and guarantee satisfaction. JOSEPH ROYE, Nassau, N. Y. 12-7

Choice White Minorcas, \$1 Each; Pens, \$4.50. Also one fine cock for exhibition. Seven first prizes. White for prices. LULU DIBBLE, Guernsey, Ca. 12-7

Black Minorcas! Rose Comb and Single Comb; large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock or eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twining, D. C. 12-7

Rose Comb Black Minorcas. Winners at Frankfort, Fort Plains, Cambridge, Johnstown, and Herkimer, N. Y.; 22 firsts on 25 entries. Eggs in season. Write for prices. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

Eleven Years Breeder of R. C. B. Minorcas. Eggs, \$1.50 for 13; \$5 for 50. Cockerels for sale. WM. J. MENKE, 713 N. Thirteenth, Quincy, Ill. 12-8

White Minorcas, Buff Orpington Stock and Eggs for sale. Rose Comb White Minorca and White Orpington eggs only. MRS. J. G. OSBORNE, Fabius, N. Y. 12-7

Rose Comb Black Minorcas, Northrup Strain. Eggs from winners at Madison Square, N. Y., Rockland County Fair, N. Y., Hackensack, Paterson, Rutherford and Englewood, N. J. SUMMIT POULTRY YARDS, Dept., B. Hackensack, N. J. 12-7

Large S. C. B. Minorcas; Standard Bred; Northrup Strain. Eggs, 15 for \$2; 30 for \$3. Satisfaction guaranteed. G. S. MARSH, Cuba, N. Y. 12-8

Prize Stock of America's Greatest Layers, S. C. Black Minorcas and Barred Rocks. Eggs, \$1 per 15; \$5 per 100. H. H. GODSHALL, Telford, Pa. 12-8

Imported Single-combed Black Minorcas Direct. Big, large rangy birds. Only a few settings to spare at \$2 per 15. E. S. LAWRENCE, Arnot, Pa. 12-8

Rose-combed Black Minorca Eggs for Hatching, \$1.50 per 13. Photos for stamp. CHAS. F. JORDAN, Box 217, Jefferson, Wis. 12-8

Nine Years a breeder of Rose-combed Black Minorcas. Eggs and baby chicks from prize winners. G. E. FERRIS, Box G, Poplar Ridge, N. Y. 12-8

Rose-combed Black Minorcas; Winners at Indiana's largest shows; pens contain many prize winners. Eggs, \$2 per 15. Hatch guaranteed. B. F. NEIMAN, Fishers Switch, Ind. 12-8

Single-combed Black Minorcas (Northup Strain). A few choice cockerels—pairs, trios and pens, for sale. Prices reasonable. Eggs from prize winning pens, \$2 per 15; \$3 per 30. LEON HUGUENOR, R. F. D. 2, Hornell, N. Y. 12-8

My Single-combed Black Minorcas Are Equal to any. All eggs carefully selected, and satisfaction guaranteed. Try one setting, 15 eggs \$2. WM. E. HAMMOND, Frenchtown, N. J. 12-8

Single-combed Black Minorcas Exclusively (Northup strain). At Kingston and Walden on eleven entries won nine firsts, two seconds. 15 eggs, \$1.50; cockerels, \$2. B. C. DEYO, New Paltz, N. Y. 12-8

S. C. Black Minorcas Exclusively; Northup Stock. Eggs, \$2 per 13. B. B. YOUNG, Cumberland, Md. 12-8

Single-combed Black Minorcas. At Recent Show in West Haven in strong competition—1st cock, 1st and 2d hen, 1st and 4th cockerel, 1st and 3d pullet. Special for best shaped Minorca female, and silver cup for best display. Send for mating list. Fine cockerels for sale. RICHARD M. RICE, North Haven, Conn. 12-8

Eggs from My Prize Winning S. C. Black Minorcas guaranteed to hatch. Stock for sale. Write for prices. NILES M. SMITH, Chatham, N. Y. 12-8

Krenn's S. C. Black Minorcas—Winning at New York State Fair, 1906, four firsts, three seconds. A fine lot of young and old stock for sale. Eggs in season. Circular free. JOS. G. KRENN, 114 Beecher St., Syracuse, N. Y. 12-8

Pure Blooded S. C. Black Minorca Cockerels, \$1.25 each; 2 for \$2.25. E. SHRIEVES, Prescott, Ark. 12-6

Rose-combed Black Minorcas (Northup Strain) exclusively. Large White eggs from America's greatest laying strain. \$2 per 15; \$5 per 50. WILL HEINTZ, 819 Vine St., Quincy, Ill. 12-8

S. C. B. Minorcas of Finest Quality. My Birds are all Standard bred, Northup strain, and fit to win in any company. Eggs, \$3 per setting. W. H. WALKER, Hamden, Conn. 12-8

Mountain View Poultry Yards—Wolford's Kentucky Queen S. C. Black Minorcas. Eggs for hatching, \$2 per 15; \$10 per 100. Write for circular. When writing mention The Feather, Dr. C. WOLFORD, Prop., Schoharie, N. Y. 12-8

## RHODE ISLAND REDS

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Hondans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-8

R. C. R. I. Reds. Eggs in Season, \$1 and \$1.50 for 15. H. R. ARMSTRONG, Route No. 1, Box 73, Edgerton, Kans. 12-9

Fine Rose Comb R. I. Reds, Black Minorcas, cockerels, hens and pullets. Blue Andalusian cockerels. Prices right. W. C. H. SLICHTER, Rt. 5, Chambersburg, Pa. 12-6

Rose Comb Rhode Island Reds Exclusively. Eggs from birds scoring from 91 to 94, by Judge McCane, \$2 per 15; \$5 per 45; \$10 per 100. Some grand cockerels with score cards at \$5 each. HENRY T. SHANNON, Cary Station, Ill. 12-6

Red Eggs, 15 for \$2. Fourth Breeding Year. First market year. Supply limited. Sprug orders booked now. Photo post cards of breeding stock, 10 cents. A. W. Clark, Enterprise, Miss. 12-6

Rhode Island Reds—Single Comb. Breeding and exhibition stock at rock bottom prices. 15 eggs, \$1.50. Special price list free. ZEELAND POULTRY FARM, Zeeland, Mich. 12-6

Rhode Island Reds, Rose Comb, Exclusively. Breeders for sale. New York and Missouri State prize winners. VIRGIL BLAKEMORE, Fayette, Mo. 12-6

Utility and "Fancy" Are Not Opposites but Inseparables when Standard requirements are right. Every Single Comb Rhode Island Red I own carries the blood of a hen of my original \$50 trio, that in four years has laid over 600 eggs, and is now standard weight, active as a pullet, and laying merrily. If you wish the best, book egg orders now, \$2 for 13. DR. J. H. C. WINSTON, Hampden-Sidney, Va. 12-6

Rose Comb Rhode Island Reds—Themselves Winners and are first generation descendants of Chicago-Detroit prize birds. Eggs, living prices. J. A. CLARK, Remington, Ind. 12-7

Rose Comb Rhode Island Reds. Line Bred and bred for business. Five grand pens that would be hard to beat. 15 eggs, \$1.50; 60 eggs, \$5.50. Satisfaction guaranteed. O. J. YOUNG, Route 3, Dayton, Ohio. 12-7

Rose Comb Rhode Island Reds. Eggs, \$2 per 15. Winners at this winter's shows. Birds all score over 90. Write for description. Satisfaction guaranteed. ROBERTS POULTRY FARM, Salem, Mich. 12-7

R. C. Rhode Island Eggs for Hatching, \$1 per setting, \$5 per 100. Turtles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Rose Comb Rhode Island Reds! Eggs from Fine stock, any number wanted. Healthy standard-bred birds. Fair deal assured. HUGH HAYNES, Prairie du Rocher, Ill. 12-7

Tuttle's R. I. Reds! Pure Robt. C. Tuttle's strain. 3 R. C. cocks and a lot of gilt-edge R. C. cockerels and pullets. Nothing less than \$2 each. Eggs, \$1.50. ARTHUR LOPER, Port Jefferson, N. Y. 12-7



Rhode Island Red—Winners at Rome, Ashley, and Lima. Send for free mating list and winnings. Eggs from grand matings at a very reasonable price. Correspondence a pleasure. Mention The Feather. WHITE BROS., Route 3, Sunbury, Ohio. 12-7

Improve the Quality of Your Flock by Crossing with Single Comb Rhode Island Reds, claimed to be the best general purpose chicken on the poultry list. Prize winning and utility strains. Fine cockerels, bred from the best stock obtainable at reasonable prices. JAMES E. SPRINGER, Rural Delivery 3, Eighty-four, Washington Co., Pa. 12-6

Wilson's Rose Comb Rhode Island Reds Have No superior. My pens are headed by cockerels elired by second prize cock at Madison Square Garden, in January, 1905. Eggs 13 for \$2; 39 for \$5. EDWIN M. WILSON, Babylon, N. Y. 12-7

Single Comb Rhode Island Reds. 25 Prizes Won at New York, Hagerstown, Mineola. Send stamp for egg circular. ROBERT SEAMAN, Box 17, Jericho, N. Y. 12-10

"Hearts Desire" Rose Comb Reds. Eggs, \$2 per 15. Eggs from Indian Runner Ducks, \$1 per 11. W. P. STEWARD, Ocean Avenue, New London, Conn. 12-7

Standard Bred Rose Comb Rhode Island Reds. Great layers and red to the skin. Eggs, \$1.50 per 15; \$6 for 100. C. SWANSON, Sycamore, Ill. 12-10

Rhode Island Reds; Both Combs. Eggs for Hatching from prize winning stock, \$2 per 15 eggs; also fine, red cockerels, \$2 each. G. H. HOAG, Congress Heights, D. C. 12-6

Thoroughbred Rhode Island Reds, and Black Minorcas; selected for size, color, and heavy egg production. Eggs, \$1 per setting. BENJ. VAN KEUREN, Bloomington, N. Y. 12-8

Single-combed R. I. Reds. Eggs for Hatching, \$1 and \$2 for 15. CHAS. WORRICK, Akiu, N. Y. 12-8

S. C. R. I. Reds Exclusively. Specially Mated utility pens. Great winter layers. Eggs, \$1 for 15; \$4 for 100. MRS. F. B. MAXHAM, Bethel, Vt. 12-8

Rose-combed Rhode Island Reds Exclusively; farm raised. Get my prices before buying stock or eggs. Member of Rhode Island Red Club of America. F. A. TATE, Garden Prairie, Ill. 12-8

R. C. R. I. Reds Exclusively. Eggs from Prize matings. Pen is headed by bird that scored 92½ in Hamden, 1906. Eggs, \$1 per 13. JOSEPH ROWAN, North Haven, Conn. 12-8

Shook's Rose-combed Reds Are the Real Thing; all won at Hagerstown. Seven prizes, Harrisburg. Three firsts won at Washington, 1907. Stock and eggs. Free circular. SHOOK, McCalhessville, Va. 12-7

Standard and Utility Bred Rose-combed Reds; won wherever shown and unexcelled layers. Eggs, \$2.50 and \$5 setting; \$10 per 100. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

"Martin's Ideal Princess" Strain, R. and S. C. breeders in both combs, scoring better than 90. Egg circular for stamp. DR. J. MARTIN, Eureka Springs, Ark. (Formerly of Wichita, Kans.) 12-8

Over 150 Prizes on My Rhode Island Reds during last three years. Eggs, from either comb, \$2 per 15. E. O. CORNFORTH, Slatersville, R. I. 12-8

Single-combed Rhode Island Red Cockerels That are red, at right prices. Eggs in season. LEON H. ROUCHE, Guy's Mills, Pa. 12-8

Single-combed Rhode Island Reds, White, Golden, and Silver Wyandottes. Winning 1st hen, 3d cock, at York; 1st hen, 5th cock, at Hagerstown; at Dallastown, 1st hen, 3d cock; 1st and 2d cockerels; 1st, 2d, and 3d pullets, Reds; 4th cock, 4th and 5th pullets, Golden. No Whites or Silvers shown. Write your wants. A. J. SPAHR, Spry, Pa. 12-8

The Highest Grade Rhode Island Reds Exclusively, winning State Cup, 7 firsts, 5 seconds, 1 third, at Lafayette. Free circular. DR. GEO. BENTON, Elkhart, Ind. 12-8

Thornwood Farm Single-combed Reds, Thompson's strain; stock fine; eggs \$1 setting; \$5 per 100. S. R. MILLER & SON, Chambersburg, Pa. 12-8

For Choice Standard Stock and Eggs from Reds that are red, either comb, settings, \$1; 100 \$5. Write. WILLIS SLATE, So. Windham, Conn. 12-8

Rose-combed Rhode Island Reds. Special Matings, eggs, \$1.50; utility matings, eggs, \$1 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa. 12-9

Rose-combed Reds. Tuttle-Anderson Strain, prize stock; eggs for hatching, \$2 per 15. H. A. HAGERMAN, Box 18, Mahwah, N. J. 12-8

S. C. Rhode Island Reds, Bred to Lay. Eggs for hatching, \$1.50 per setting. Satisfaction guaranteed. CHAS. F. HEILAND, Illon, N. Y. 12-8

Rhode Island Reds, 200-Egg Strain, Rose and Single-combed. Twelve years breeder and exhibitor; 15 \$1.50; 40 \$3. ROBERT WALLACE, Box 80, Athol, Mass. 12-8

Place Your Order With Me if You Want Rose or Single-combed Rhode Island Red eggs for hatching. I have been breeding them exclusively for 15 years. I have them as good as the best. I have the laying kind as well as for the show room; \$1.50 per 15. RUDOLPH HATTAL, 6164 Ridge Ave., Roxboro, Philadelphia, Pa. 12-7

Sibley's Rose-combed Rhode Island Reds. First prizes at Detroit and Chicago, 1906, and sweepstakes prizes at both exhibits. Bred for laying, qualities, size, shape, and color. Cockerels for sale; eggs in season. FRANK CHURCHILL SIBLEY, South Bend, Ind. 12-8

Eggs for Hatching. Rose-combed Rhode Island Reds, Tuttle strain. White Wyandottes, Clement and Fike strain. Write for prices. H. E. GERBIG, Chambersburg, Pa. 12-8

Eggs, \$1 and \$1.50 per 15, from Single-combed Rhode Island Reds and Rose-combed Black Minorcas, Northup strain, after March 15 to June 1. LIZZIE STEVENSON, Route 8, Butler, Pa. 12-6

Single-combed Rhode Island Reds, 15 Good Select cockerels for sale, and eggs in season from five matings. Circular free. S. SPITTLER, Reading, Mich. 12-8

Hubbell's Reds, R. and S. Comb Are Winners. Barred and Buff Rocks are warm members. Write. C. E. HUBBELL, Cold Brook Poultry Farm, Westmoreland, N. Y. 12-8

Single-combed R. I. Reds Exclusively, Standard stock; eggs for hatching, \$1 for 15; incubator eggs, \$5 per 100. J. E. TEEPLE, Ferndale, N. Y. 12-8

Rose-combed Rhode Island Reds—Red to the Skin. Bred from show stock. Pens selected by Rhode Island Red experts. Eggs \$2 per 15; \$5 per 100. J. E. DAVIDSON, Kipton, Ohio. 12-8

If It's Rose-combed Rhode Island Reds, Learn about a quality strain. Booklet of facts and helps free. RED JACKET POULTRY YARDS, Ray, Ind. 12-8

S. C. Rhode Island Red Eggs for Sale from Good, strong, well marked stock; \$2 and \$3 per 30. MRS. HARLEY NETTLETON, Benedict, Nehr. 12-9

S. C. R. I. Reds Exclusively, Bred to Lay Strain. Eggs, \$2 per 15. DR. G. W. BROWNING, San Antonio, Tex. 12-8

Rhode Island Reds, Bourbon Red Turkeys, Duroc Jersey Swine. Send for my 1907 catalogue and get prices of 15 varieties. Eggs for sale in season. E. F. TRIMBLE, Benton, Ky. R. No. 8. 12-8

S. C. R. I. Reds Exclusively. First Prize Winners at '05, '06, and '07 shows; are what you get when you get stock from GEO. L. RICHARDS, Cresco, Iowa. Eggs for hatching. 12-8

Single-combed. Four Firsts, Geneva. Nearly All best prizes, Cleveland, including 1st breeding pen and Silver Cup best display. Egg catalogue free. IRA M. CROWTHER, "F," Willoughby, Ohio. 12-5

Rhode Island Red Specialist. Single and Rose-combed. Eggs, \$3 per 15; \$5 per 30; from Red Winners, no other grade. Satisfactory hatch guaranteed. P. I. HORNING, Alden, Minn. 12-10

Rose-combed Reds—Eggs from Matings That Produced 1st, 2d, 3d, 4th and 5th cockerel and 1st, 2d, 3d and 5th on pullets and silver cup, \$2 per 15. Ben Myers, judge. A few cockerels for sale yet; score card with each bird. MAPLE GLEN POULTRY YARDS, D. D. Bendy, Prop., Sugar Creek, Ohio. 12-8

Single-combed R. I. Reds. Beautiful, Dark Red birds; large size and heavy layers; won 3d and 4th pullet on two entries, Am. Poultry Asso. Show, Auburn, 1907. Eggs, \$1 and \$2 per 15. HARVEY H. WHITMYER, Box 603, Schenectady, N. Y. 12-8

5 R. I. Red and 8 S. C. B. Leghorn Cockerels sold on approval, \$1.50 each; eggs, \$2 for 15. J. W. GAMBLE, Catawba Island, Ohio. 12-6

Madison Square Garden, New York, Winnings 1905-06 on Rhode Island Reds; eggs, \$1.50 per setting; \$5.75 for 50; shipped any distance. WALKLING HENNERIES, West Medford, Mass. 12-11

Rose Comb Reds and White Rocks Bred from prize winners. A few Red cockerels for sale. Eggs for hatching. W. C. ARGOE, Olney Station, Philadelphia. 12-8

## RHODE ISLAND WHITES

Holcomb's Improved Rhode Island Whites. Great winter layers from prize stock. Pairs, \$5. Eggs, \$2 per 15. DR. HOLCOMBE, Cherry Creek, N. Y. 12-7

The R. I. Whites Are Very Desirable if the Largest profit is looked for. For quick matings and as layers they equal the Leghorns. As dressed poultry they have no superior. Interesting catalogue free. HOME OF THE R. I. WHITES, Wakefield, R. I. 12-10

## BANTAMS

Won More First Prizes Pan-American on Golden and Silver Sebrights than all competitors combined. Buff and Black Cochins Bantams. Winners. CLYDE PROPER, Schobarle, N. Y. 12-6

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMANN, Carlisle, Pa. 12-12

## Facts for Consideration



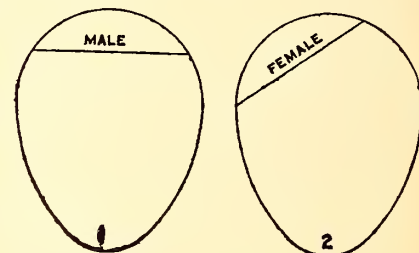
REFERENCE was made to the product of cross-breeding the Muscovy with Pekin ducks in some articles recently published in the columns of THE FEATHER relative to waterfowl. We referred to the fact that the product of such a cross was understood to be perfectly sterile—mules, in fact. We have no evidence that any one has even attempted to reproduce from the cross-bred Muscovy and any other kind of ducks, yet we have recently been told that there is a fancier in New Jersey who has a variety of ducks called Brazilian, which he claims were produced through cross-breeding two varieties, one of which was the Muscovy.

We have stated before that we were informed by one poultryman having the cross-bred ducks, that by accident, one or two that were full grown were kept over. These ran with others and reproduced both from a Pekin drake and a Muscovy, these two having been united to produce the cross-bred specimens. We are quite hopeful that some one will take sufficient interest in this question to carry the experiment to a conclusion. We have stated that we doubted the possibility of such a conclusion. We are not ready to believe that the Brazilian ducks are anything other than a Muscovy. The photographs indicate such as the facts. Until some one is able to prove conclusively that such cross-bred specimens will reproduce, we can not admit that as a possibility.

Over two years ago we printed in the columns of this paper that Dr. Edward Moore, of Albany, N. Y., stated that the feeding of whole oats to poultry was injurious, that the sharp beard of the oats would lacerate the interior of the crop, and that many fowls had died of this ailment without any one fully understanding why they had died. The editor of the Florida Agriculturalist sometime ago announced that this idea was too ridiculous for belief. Does the writer in the Florida Agriculturalist know whereof he speaks? Or, does he, like many of us, jump at a conclusion without being possessed of facts and evidence to prove the claim? Another writer in the same paper, publishes an article, presenting a device for driving away hawks. This consisted of an arrangement that would flutter in the wind and make noise sufficient to drive away the hawks; but this writer does not explain how the device is to be kept in motion during the warmer sultry afternoons when there is no motion of air—the ideal time for the visitation of hawks on their mission of destruction.

Mr. J. T. Bird, of England, writes an extended article relative to the sex of eggs. He states that he finds that there are generally more cockerels in the early hatch than in the late ones. He pronounces as a fallacy the thought that the shape of the egg has anything whatever to do with the question, believing, he states, that this has no influence whatever over the sex of the egg. Nor does he believe that the eggs laid during the afternoon will produce pullets, nor that more pullets

may be expected from pen fowls than from those running at large. This writer does not come any closer to the solution of the proposition than have others before him. We do not know that any one has given sufficient thought to any of these matters to prove or disprove the truth in one of them.



Last year we published an article copied from one of our contemporaries relative to the shape of the air cell having influence over the male and female. We present here an illustration of this proposition. The formation of air-cell marked for the production of a male and the other for the production of a female is a proposition which might easily be studied out. The season is now at hand for hatching the broods of another year. It would take but little time to study out this problem with an egg tester, selecting the eggs with air-cells well-defined as illustrated, and placing the eggs thus selected under a hen so that they might be hatched in separate numbers. The results of such carefully followed tests would prove conclusively the truth of such a statement.

## Good Judgment

We congratulate the management of The Farm Stock Journal for making a selection from our illustrations to beautify their poultry and pigeon department. We presented to our readers a beautiful illustration of Bordeaux pigeons a short time ago, the first, we believed, ever so presented in this country. Quick to grasp a good thing, The Farm Stock Journal reproduced the illustration in their columns, giving credit to THE FEATHER.

In this same journal we notice the statement that the United States consul, in Germany, had discovered that the freshness of an egg could be decided from the size of the air chamber in the large end of the egg. This method is the placing of the egg in a saturated solution of common salt. A fresh egg lies in a horizontal position at the bottom of a vessel. An egg from three to five days old shows a slight elevation, and so on until a very old egg floats at the top. We are surprised that a United States consul had to go to Germany to discover this. Our grandmothers knew of this many years ago.

"The Feather is just the kind of a magazine that suits me, and although I take a few others I like The Feather best."—F. B. Abelacker.



## Business World



THE Gem Incubator Company, of Trotwood, Ohio, is becoming famous for what is called an expanded ventilation system, an improvement which all users of incubators should know. They have specialties in egg trays and other improvements which are equally attractive. We advise all of our readers to send to them at once for their last catalogue.

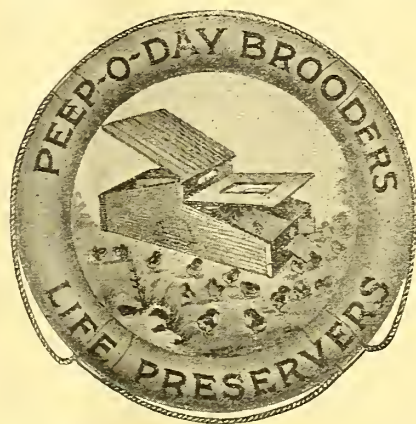
The Cornell Incubator Manufacturing Company, Ithaca, N. Y., purchased last summer the Doolittle estate, adjoining the present factory, and in order to enable them to have their property in one solid block, the city board of aldermen passed an ordinance closing the street which formerly ran through the incubator ground and ordered that a new street be laid out on the northern side of the plant. E. G. Wyckoff, the president and a large owner of the stock of this company, certainly means business, for he has just completed four large brick buildings which, in addition to the former shops, makes the Cornell plant one of the largest—if not the largest—for manufacturing incubators, brooders, and poultry supplies in the world. The new main building is in the shape of the letter "L"; it is 358 feet long, 44 feet wide, and four stories high, and has a total floor space of 55,000 square feet. This building is devoted to the manufacture of Cornell Standard Incubators, Peep-o'-Day Brooders, and poultry farm appliances. Adjoining the east end of the factory, and separated therefrom by a twelve-foot platform, the incubator company has erected a dry kiln 65 feet long and 34 feet wide, of a drying capacity of 250,000 feet of lumber each month. The machinery was put in by a Boston manufacturer who installed an improved steam hot-blast drying system, by means of which the lumber, which is loaded directly from the Lehigh tracks into one end of the kiln, on to especially constructed cars, is slowly moved through the kiln and is completely dry when it reaches the other end in from thirty-six to forty-eight hours. Through a system of turn-tables and tracks, the same cars on which the lumber has been originally loaded and put through the kiln, are brought into the factory directly to the wood working machines, thus insuring the greatest economy in handling.

In January last, the incubator people erected a two-story office building of brick, 22 feet wide and 72 feet long. They have now erected a three-story, 26 by 30 feet addition to this building, also of brick. They have installed on the second and third floors of the new part, the filing department, dictating rooms and private offices. The entire first floor is cemented and is used as a press room and printing office. The fourth building is also of brick, and built immediately on the banks of the Inlet.

The Cornell Company has also remodeled its old storehouses, one of which is 115 feet long by 30 feet, and the other

50 feet by 30 feet. The factory has been equipped with the most improved up-to-date machinery, and they have just put in place a large-sized, fast-feed planer and matcher, a machine which weighs thirteen thousand pounds, and which will surface on four sides, 105 feet of lumber per minute, 6 inches thick and 18 inches wide. They have also put in a large new re-saw, a seven-inch machine, and back-knife lathe with a capacity of two thousand incubator legs per day, a railway saw for cutting up lumber, and a nailing machine to nail the brooders rapidly and well. In one word, every labor-saving machine not already installed will be provided, to turn out the Cornell chick machinery economically and in a thoroughly workmanlike manner.

The Fort Wayne Electric Works have electrified the entire factory; that is to say, each wood and iron-working machine is operated by an individual electric motor of which they have thirty-six,



varying from one-half horse-power to thirty-five horse-power. The initial cost of this system is high, but it will soon pay for itself on account of the economy in operating, as the power is used only when the machine is in operation.

The above improvements were not prompted by whim or fancy, but by the steady and sure growth of the incubator business. Last year's experience taught the Cornell people a lesson; they were sold out of their entire manufactured product in December, before the season had fairly opened, and were behind in their orders during the entire season up to the first of June. They appreciate that this way of doing business is not conducive to good results or to good feeling on the part of their agents and customers, and they have made preparations for this season's business so that practically all orders will be filled the same day as received.

We recommend THE FEATHER readers to write to-day for their 1907 incubator and brooder catalogue. It is an instructive guide to the poultry business and contains information concerning the valuable features of all the Cornell goods. Obtain the catalogue before placing your order for incubators or brooders. It is free if you mention this paper.

Readers of THE FEATHER who are confronted with poultry problems which they are unable to solve, will no doubt be

200 Chicks. Best I Ever Raised, Red Pyle, Black Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. 12-9

Bantams—Winners of First, Second, and third premiums at Illinois State Fair, 1906. Stock for sale. J. C. JOHNSTON, Petersburg, Ill. 12-9

Bantams—Sixty Buff, Black, and White Cochins, \$3 per pair; 10 Pyle cockerels, \$1 each; 10 Sebright cockerels, \$2 each. Circular. HAL CARMAN, Petersburg, Ill. 12-6

Bantam Eggs.—American Best Japanese, Sebrights, Cochins, Games, Frizzles. Send 2c stamp to A. A. FENN CO., Box 92, Burlington, Wis., for circular. 12-6

Black, White and Partridge Pekins, Golden and Silver Sebrights, Red Pyle Game Bantams, R. C. Brown Leghorns and Buff Orpingtons, stock and eggs. J. SHERIDAN WELLS, Greenport, N. Y. 13-4

Spring Sale—Fifty Golden Sebright and Cochins Bantams, nearly all winners. Descriptive list on application. L. S. CRANDALL & CO., 12 Steuben Park, Utica, N. Y. 12-6

Buff and Partridge Cochins and Light Brahma Bantams, Red Bald Head and clean leg performing tumblers; some good birds for sale. MORGAN STINEMETZ, Washington, D. C. 12-8

Partridge Cochins Bantams. If You Want Choice exhibition stock write to me; winners at Boston, Providence, etc.; a few cockerels left; eggs, \$2 per setting. J. E. MORSE, Taunton, Mass. 12-8

Look! Light Brahma Bantams. Ward's Prize winners; stock for sale at all times; eggs in season. CHAS. E. WARD, JR., Elmsford, N. Y. 12-8

B. B. Red Game Bantams, Silver Cup Winners. Fine breeding birds for sale; eggs in season. H. A. PETTIT, Danbury, Conn. 12-8

Golden Sebright Bantams, Guaranteed Prize Winners. Birds at reasonable prices and eggs in season. Correspondence solicited. JOHN A. WITMER, Sunbury, Pa. 12-8

Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Golden Sebright Bantams. Pure Bred and hardy; illustrated circular. H. H. FLICK, Manchester, Md. 12-8

Choice Bantam Sale. Some Specials in Brown Reds and Duckwing from our Madison Square and Boston winning strains; extra good Brown Red cockerels. F. D. E. STOWE, Brattleboro, Vt. 12-6

### JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams, Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. 12-6

Black Javas. Queens of Winter Layers. Eggs, \$1 per setting; some fine pullets for sale, \$1 each; cockerels, \$2 each. JOHN CRUISE, Logan, Ohio. 12-8

### ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. 12-6

S. C. Buff Orpingtons and White Wyandottes. A limited number of yearlings and young stock for sale. Eggs in season. H. C. FINCH, Sugar Creek, Pa. 12-6

Single Comb Buff Orpingtons for Sale—Reasonable. Large, vigorous, utility cockerels, at \$3 each, or two for \$5. Eggs in season. DR. SEBRING, Bellefonte, Pa. 12-6

Single Comb Buff Orpingtons and Barred Rocks. Orpingtons are fine with clear buff wings. Barred Rock direct from Thompson, the Ringlets. Stock for sale. Eggs, \$3 sitting. C. S. JENSEN, Dover, N. J. 12-6

Buff, Black, Whites and Diamond Jubilee Orpington cockerels, bred from first prize winners and imported birds. DR. GEO. W. DAVIS, Pleasantville, Md. 12-6

S. C. Buff Orpingtons, Stock for Sale. Eggs in season; prices reasonable; stock as good as the best. Write to-day. PERSIMMONHYRST FARMS, Benwood, W. Va. 12-6

Terry's S. C. Buff Orpingtons, Properly Mated, unrelated, scored pens and farm range. Eggs in season. Satisfaction guaranteed. SUNFLOWER ORPINGTON FARM, Benton, Ohio. 12-6

Orpingtons—Single Comb, Black, Buff White. Prize winners Columbia, Charleston, Augusta, Charlotte. Single birds, pairs, trios, or pens for sale cheap. McELREE, Columbia, S. C. 12-6

S. C. Buff Orpington Stock and Eggs for Sale; cocks and cockerels, \$1.50 to \$5; hens and pullets, \$2 to \$3; eggs, \$2 per setting. MISS JULIA JONES, R. D. 1, Tobaccoville, N. C. 12-6

S. C. Buff Orpingtons Exclusively. America's best blood. Eggs, \$2 and \$3 a setting. Choice cockerels for sale. ARCH. L. HANSELMAN, Russellville, Ohio. 12-7

Rose-combed Buff, Rose and Single-combed White Orpington, Rose Comb White Minorca stock and eggs for sale. Get my egg circular. B. WENK, Washington, Ill. 12-7

White Orpington Home. America's Largest specialty single comb White Orpington Farm. Hundreds of prizes won on birds of my breeding every year. Birds in any number. Eggs from the very best prize matings I ever owned, 15 for \$3; 30, \$5. Hatch guaranteed. EARL L. COOK, Munnsville, N. Y. 12-7

S. C. Buff Orpingtons. Won 4 Firsts, 2 Seconds, 1 third, 1 fourth, and cup for best display at Wallingford, 1906-7. \$3 birds in class. Stock for sale. Eggs, \$2 per 13. JOSHUA A. SEUTE, Meriden, Conn. 12-7

White and Buff Orpingtons. Whites Winners of State cup. Cockerel and 3 pullets Rose comb Black Orpingtons for sale. IRVING CROCKER, Seneca Falls, N. Y. 12-7

Buff Orpingtons and Black Minorcas. Booking orders for baby chicks, Orpington cocks, and cockerels. Eggs for sale. Write. A. B. WILLETT & SON, Anderson, Ind. 12-8

Single-combed Buff and Black Orpingtons. Winners at New York, Hartford, Wallingford, Middletown, Guilford, and Willimantic. Eggs, \$3 and \$5. Mating list. TYLER CRUTTENDEN, Norwich, Conn. 12-8

450 Buff, Black and White Orpingtons for Sale this month, and eggs, at a bargain. Circular free. LEWIS C. BEATTY, Box F, Washington, N. J. 12-8

S. C. Buff and Black Orpingtons, Duke of Kent strain. Salmon, Faverolles, Boston, and Milford prize winners, 1907; 15 eggs, \$2. ARTHUR WAITE, Rockville, Mass. 12-8

Single-combed Buff Orpington and White Plymouth Rock eggs for sale, \$1.50 per 13; from fine thoroughbred stock. MRS. BELLE DAVIS, Pawling, N. Y. 12-8

S. C. Buff Orpingtons, the Best General Purpose Fowls. Eggs from prize stock, \$2 per 15; satisfaction guaranteed. I. L. DAVIS, Star Delivery Chili Station, N. Y. 12-8

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out. Newly-batched chicks. Eggs in season, \$2 and \$3 a setting. H. PEARSON, 500 Valley St., South Orange, N. J. 12-9

S. C. Black Orpingtons. At Chicago, 1907, I Won 1st cock, 5th hen, 4th pullet; Milwaukee, 1907, 1st cock, 1st, and 3d hen, 2d cock, 3d, and 5th pullet, 1st pen, Silver Cup for best display. Eggs, \$3 and \$5 per 15. Send for list. G. E. GREENWOOD, Lake Mills, Wis. 12-9

Single-combed Buff Orpingtons Exclusively. Large buff birds. Eight entries won seven prizes. Eggs for hatching at reasonable prices. J. B. KERN, Neffs, Pa. 12-8

S. C. Buff Orpingtons. Cockerels and Pullets, \$1 to \$3; exhibition birds, \$5; eggs, \$2 15; \$3 At Cincinnati, First Cockerel, Fourth and Fifth 1898. MRS. W. N. MARSHALL, Fayette, Mo. 12-8

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 specials, 5 entries, 3 pens headed by first prize birds. Interesting booklet free. MONACA FARM, Monaca, Pa. 12-11

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUPT CO., Easton, Pa. 12-11

My Pens of Single-combed Buff Orpingtons Are headed by prize male birds; eggs, \$2 per 13. F. W. HAVENS, 72 Monmouth St., Springfield, Mass. 12-8

Black Orpingtons. Since 1903 2 Varieties, Single-combed Whites; first, Hartford, Springfield, Worcester, Portland, Brocton, and Boston; eggs, \$3. C. E. SHAFER, East Brookfield, Mass. 12-8

S. C. Black Orpingtons of One Finest Quality. Winners at the great Philadelphia show; eggs, \$5 per 15. GEO. E. EDWARDS, Church Lane, Lansdowne, Pa. 12-8

Orpingtons, Buff, Blacks—Have Mated for Spring trade fifteen pens; eggs, \$2 and \$3 per 15; stock for sale; send for circular. GEO. H. HERICK, Durand, Mich. 12-8

S. C. Black Orpingtons. Won 1st Cock, 1st, 2d cockerel, 1st, 2d hen, 1st, 3d pullet at St. Louis Butterfield, judge; stock for sale; eggs, \$5 for 15; \$9 for 30. JOHN HETTICH, Bowling Green, Mo. 12-8



## BRAHMAS

Dark Brahmas, Chicago First Prize Winners. Fine show and breeding birds and extra good layers. Old and young stock for sale. If you are after something fine write me. Prices reasonable. REV. W. BERBERICH, Elgin, Ill. 12-6

Mammoth Light Brahmas. Pure Bred Stock, \$2 to \$10. Eggs: farm raised, \$3; two sittings, \$5. DR. J. R. ALLEN, Orwell, N. Y. 12-7

For Breeding Stock or Eggs Be Sure and Write me your wants. I am an exclusive breeder of Light Brahmas and guarantee satisfaction or money cheerfully refunded. JOHN R. KEELINE, Council Bluffs, Iowa. 12-7

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Joliet; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 13-4

Light Brahmas—Winners Wherever Shown. Cock- 12-7  
erels, \$2 to \$5 each. Eggs, choice mating, \$1 and \$2 per 15. IRVING V. DICKINSON, Hig-  
ganum, Conn. 12-7

Splendid Lot of Light Brahmas. Bargains if  
taken at once; to make room (Nettleton's di-  
rect). White Wyandottes and Buff Rocks same  
terms. M. E. RIDGELY, Benson, Md. 13-3

Light Brahmas. Choice Cockerels, Eggs \$1 per  
13; \$5 per 100; stock on free range; satisfac-  
tory results guaranteed. PINE TREE POUL-  
TRY FARM, Dublin, Pa. 12-7

Light Brahmas.—Eggs from My Premium Pen,  
headed by Felch Strain, blue ribbon male, \$2.50  
per 15. F. L. SMITH, Box 394, Lexington, Ky. 12-7

Light Brahmas Only; Hardy Stock; Bred for Win-  
ter layers. Large brown eggs, \$1 for thirteen.  
HAYSTACK MOUNTAIN FARM, Norfolk, Conn. 12-8

I Am the Light Brahma Breeder That Captured  
all the blue ribbons at the Illinois State Fair.  
Can fill orders for show birds or eggs. M.  
O'LOUGHLIN, Bement, Ill. 12-8

Light Brahmas, Mammoth Strain. The Great  
World's Fair winners. We have a fine lot of  
birds for sale, prices right, satisfaction given.  
Eggs, \$3 for 15. H. T. ROGERS, Box E, The  
Elms, Cainsville, Mo. 12-8

Light Brahma and Pekin Ducks for Sale. High-  
grade eggs in season; special prices on large  
orders. LIGHT BRAHMA AND PEKIN DUCK  
FARM, Broadhead, Wis. 12-8

1868-1907—Star Strain Light Brahmas; 3 on Pen,  
Boston. Eggs, \$3 per setting. For stock or  
eggs address, DR. N. V. HUTCHINSON, North  
Arlington, Mass. 12-11

Light Brahmas Exclusively. Eggs, 15 \$3; 30 \$5.  
Ballston, Albany, Schenectady, and Gloversville  
winners; selling stock. EAST VIEW POULTRY  
YARDS, Box D, Ballston Spa, N. Y. 13-3

Light Brahmas. Eggs and Stock for Sale. Have  
bred 15 years for winter layers; none better;  
write for prices. O. A. WARD, Upper Marl-  
boro, Md. 12-8

## FAVEROLLES

Faverolles—"The King of Utility Fowls." Also  
Lakenvelders. Send stamp for circulars. DR.  
PHELPS, Glen Falls, N. Y. 12-8

Salmon Faverolles, America's Best. Get a Cock-  
erel and wonderfully improve your flock for  
eggs, meat and size. Eggs for hatching. WISE-  
ACRES, Box 33, Croton-on-Hudson, N. Y. 12-6

English Salmon Faverolles. Eggs for Hatching,  
\$2.50 and \$5 per 15; fertility guaranteed;  
stock for sale after July 1. Circular free. DR.  
SEBRING, Bellefonte, Pa. 12-10

Salmon Faverolles, "King of Utility"—Greatest  
layers and best market fowls. Eggs, \$2.50 per  
15, or \$10 per 100. Lakenvelders at same price.  
C. SWANSON, Sycamore, Ill. 12-10

## ANDALUSINAS

Blue Andalusian Exhibition and Breeding Birds  
a specialty; choice strain for heavy laying;  
eggs and stock for sale. JOHN H. WHITE,  
Anacostia, D. C. 12-7

Andalusians. My Peerless Blue Strain Have  
won one hundred premiums; best pens this  
year ever had; eggs for hatching; circular. R.  
QUACKENBUSH, Baldwinville, N. Y. 12-7

Blue Andalusians and Silver-laced Wyandottes.  
Choice stock. I breed from nothing but show  
birds; stock reasonable. Eggs, 15 \$1.50; 30  
\$2.50. Write for descriptions. FRED JENNER,  
Troy, Pa. 12-7

Blue Andalusians and Golden Wyandottes, Win-  
ners at Cleveland, Ohio, 1907. Eggs, \$1.50 per  
15; 50 eggs, \$3.50; 100 eggs, \$6. W. C. FOOTE,  
Wellington, Ohio. 12-8

Single-combed Blue Andalusians, 13 Eggs \$1;  
from prize winning strain of choice birds. I  
can please you. CHAS. M. PALMER, Nassau,  
N. Y. 12-8

Blue Andalusians. Bred for Vigor, Utility,  
Beauty. Eggs, \$2 per 15; \$3.50 for 30. RO-  
BERT A. N. 'JOURNAL' 'LEAF' 'Y' 12-8

## ANCONAS

Mottled Anconas; Marsh's Strain; Beautiful  
birds; great layers. Eggs and stock. Circular  
for stamp. ANCONA POULTRY YARDS, Dr.  
Marsh, Proprietor, Route 8, Oswego, N. Y. 12-9

Ancona Cocks, Cockerels, Hens, and Pullets Sold  
in any shape to suit the purchaser. Write to  
CHAS. F. HIGGS, Box 47, R. 15, Broadway,  
Va. 12-7

Anconas—Great Layers—Bred for Eggs Produc-  
tion and purity of stock. White Wyandottes.  
Circular free describing these great layers. Eggs,  
\$1 for 15. P. MANSFIELD, Route 71, Box 11,  
Falconer, N. Y. 12-6

Try Burt's Anconas. The Great Egg Producers.  
Bred for utility and beauty. We always win.  
Fifteen eggs, \$1.50. BURT & SON, Machias  
Junction, N. Y. 12-8

We Are Breeding Anconas. Our Circular Gives  
the reason. Send for one and learn about the  
greatest egg producers. GEO. SHERWOOD,  
Greene, N. Y. 12-8

Mottled Anconas and White Wyandottes. We  
have mated up some good pens of each, and  
are booking orders for eggs. Let us hook yours  
and we will both be pleased. F. L. SNYDER &  
CO., Lexington, Ky. 12-8

Anconas, The Laying Strain. That's the Kind I  
have. They are little business beauties. Eggs,  
\$1.25 per setting. MAX KEMERY, Johnstown,  
Pa. 12-8

C. A. Knight, Olena, Ohio, Breeds the World's  
best Anconas; one-half the first prizes at 11  
shows; circular gives prizes and scores; cockerels,  
eggs. 12-8

## COCHINS

Fine Black and Partridge Cochins, \$2, \$3, \$4 and  
\$5 each. Prize winners 25 years. No circular.  
DR. H. T. BALLARD, Canlon, Ill. 12-6

Buff Cochins.—Line Bred for Many Years. Look  
up our record at all the leading shows. Two  
hundred grand birds for sale. Every bird sent  
out guaranteed to please or can be returned.  
A. W. RUDY & SON, Hagerstown, Md. 12-6

John E. Walker, 31 years a Breeder of Top-notch,  
golden tinsel Buff Cochins poultry exclusively.  
Stock for sale. Martinsville, Ind. 12-6

Cochins, White, Black Partridge. Winners at  
New York and Pittsburg; good breeders; \$3  
each. Eggs, \$3. Will close out our flock of  
Blacks at bargain. D. C. PEOPLES, Uhlrichs-  
ville, Ohio. 12-8

Buff Cochins a Specialty. Stock for Sale, Old and  
young. Eggs for hatching. J. J. WOLF, Wolfs-  
burg, Pa. 12-7

Buff Cochins Eggs, \$1.25 per Setting of 13 Eggs.  
Pure Breed. RUTH PECK, Harrington, Del.  
12-7

Buff Cochins and S. C. Barred Plymouth Rocks  
for sale. Eggs in season at reasonable prices.  
MRS. C. T. CRAMER, Barrackville, Marion Co.,  
W. Va. 12-8

Evergreen Cochins Farm. Dark Brahmas, Black,  
White, Buff, and Partridge Cochins. Stock for  
sale from our Ohio State Fair winners. Eggs in  
season. Satisfaction guaranteed. C. W. SMITH,  
Cardington, Ohio. 12-8

Buff Cochins Won at La Crosse, Wis., 1907., 1st  
cockerel, 1st pullet, 2d and 3d pullet on five  
entries. Eggs, \$2 per 15. FRED KLETT, La-  
valle, Wis. 12-8

Buff Cochins—Choice Stock for Sale. Eggs from  
94 1-2 to 95 1-2 point pens. Scored by Russell  
and Hewes. J. C. MITCHEM, Marshalltown,  
Iowa. 12-8

## GAMES

Exhibition Black-breasted Red Games; High Sta-  
tion; fine color. A few birds for sale. Eggs,  
\$3 per 15. H. T. HERMAN, Carlisle, Pa. 12-7

Warhorse Pit Games. Pure Hopkinson's Cocks,  
hens, stags and pullets. Genuineness guaran-  
teed. Have circular. Eggs \$3 setting. Hatch  
guaranteed. TOLBERT & WEBER, Fairbury, Ill. 12-7

Cornish Indians! Thoroughbred Exhibition Stock.  
Have remarkable laying strain, bred from my  
best winter layers. 15 eggs \$1. SAMUEL A.  
WHITE, Timberville, Va. 12-7

Heavy Weight, English Black-breasted Red Pit  
Games; Tom O'Neil, Kentucky Dominiques, Irish  
Greys. Eggs, \$2 per setting. WAVERLY GAME  
YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-7

White Indian Games. Buckeye Reds. Stock of  
high standard. Eggs: Games, \$2; Reds, \$2, per  
setting. Stock a matter of correspondence.  
Photos of birds sent on request. C. W. NEW-  
MAN, Chambersburg, East End, Pa. 12-7

Pit Game Fowls—Send 2c. Stamp for My Large  
nineteenth annual circular, giving descriptions  
of the different breeds, portraits from life, price,  
etc. Address AL. C. ZIEGLER, 144 S. Queen St.,  
York, Pa. 12-7

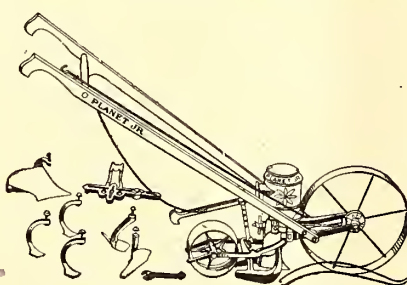
Pure Southern Games. Inclose Stamp for Circu-  
lar and reply. P. H. WOFFORD, Johnson City,  
Tenn. 12-8

glad to avail themselves of the help of-  
fered by a man who has been in the  
poultry supply business for years, and  
knows how best to solve the various  
problems that constantly arise. The man  
who makes this liberal offer is Walter P.  
Stokes, of the late firm of Johnson &  
Stokes, now conducting Stokes' Seed  
Store, 219 Market Street, Philadelphia.  
Mr. Stokes gained much valuable knowl-  
edge as active business manager of the  
old firm, particularly of the poultry sup-  
ply end of the business. He has con-  
nected with him other practical men of  
experience, who are also competent to  
give advice regarding everything pertain-  
ing to poultry, pigeons, bees, the operat-  
ing of incubators and brooders, the build-  
ing of poultry houses and all other poul-  
try problems.

The new illustrated poultry supply  
book which he has just issued, should be  
in the hands of every poultryman. It  
tells about the various "Vigor" foods for  
making hens lay, promoting good health  
and strong development, and about the  
best forcing, scratch and other foods. It  
contains much helpful information about  
gape and roup cures, lice killers, incu-  
bators, brooders, caponizing instruments  
and the best poultry supplies of every  
sort. One of its most valuable features  
is a daily egg record, which enables the  
poultryman to keep account of the egg  
production and profits for the entire year.  
A copy of this catalogue will be mailed  
free to any address on request to Stokes'  
Seed Store, 219 Market Street, Philadel-  
phia. Kindly mention THE FEATHER and  
thus guarantee prompt attention.

One of the greatest labor-saving gar-  
den implements ever invented is put on  
the market this year—a new combination  
seeder, wheel hoe, cultivator and plow.  
It opens the furrow, sows any kind of  
garden seed accurately—in hills or drills  
—covers, rolls the ground and marks the  
next row, all in one operation. It en-  
ables one man to do the work of three to  
six men, and does it easier and better  
than it was ever done before.

Here is a picture of this remarkable  
tool.



It is a Planet Jr. No. 6, made by S. L.  
Allen & Co., who do things in their own  
way. Every different kind of tool they  
turn out represents practical knowledge  
of gardeners' problems. Each model is  
specially designed to do its work in the  
best and most thorough manner—a small  
improvement here or there that may not  
seem to make any difference, soon proves  
its great value when the implement  
is put in operation. The materials, too,  
are the finest known to the implement  
trade. Some people think it extravagant  
to use high-grade materials and put so  
much work on their tools as they do, and  
very extravagant to have five men to do  
nothing but inspect. But every practical  
farmer and gardener knows what this  
means to him, and understands why  
Planet Jr. tools last and can be guar-  
anteed.

Every farmer and gardener, whether he  
has a Planet Jr. or not, should send for

the new 1907 Planet Jr. catalogue—of  
seeders, wheel hoes, horse hoes, riding,  
orchard, and beet cultivators—forty-five  
kinds in all—with the new and practical  
improvements. A postal mailed to S. L.  
Allen & Co., Box 1105 B, Philadelphia,  
brings this interesting book by next mail.  
Kindly mention this paper.

During the New York and Boston  
shows, we conversed with many poultry-  
men who had made a close study of the  
Hogan system of selecting best egg pro-  
ducers. One stated that he had studied  
their book and without experience had  
selected from his flock of one hundred,  
twenty-seven females, using as a guide  
the teachings of their book. In every in-  
stance but two he was successful in se-  
curing the heavy egg producers. Two  
of the twenty-seven did not lay after hav-  
ing been taken from the others, and were  
returned to the general flock. The  
twenty-five thus selected had laid more  
eggs from the 15th of November to the  
17th of January than had the seventy-  
five in the general flock. During Decem-  
ber the twenty-five had laid one-third  
more eggs than did the other seventy-  
five, all receiving the same care and at-  
tention. Another told us that he had  
studied the methods of Edgar Briggs, of  
New Rochelle, N. Y., relative to profits  
in poultry keeping, and that so far this  
winter he had saved fully one-half the  
expense of former years in feed, the re-  
sult of a careful study of the book sold  
him by Mr. Briggs. A circular will be  
sent to any of our readers who will write  
to the Hogan System or to Mr. Briggs,  
both advertisers in our columns.

Poultry keeping has been passing  
through a rapid evolution toward better  
things. The old time way of allowing  
fowls to forage for themselves in sum-  
mer and to be fed largely on corn in the  
winter time has rapidly given place to a  
far more rational method, which is pro-  
ducing greatly improved conditions in the  
flocks and a much larger percentage of  
profit to their owners. Along with the  
improvement in the matter of feeding  
there has also developed a systematic way  
of selecting the laying birds and deter-  
mining which are yielding the greatest  
number of eggs.

By the Potter "System," it is possible  
to easily separate the layers in your flock;  
pick out hens that are laying now, and  
also to tell those birds that will begin to  
lay in a short time. To be able to do  
this is a great advantage, and is worth  
considerable money to the poultryman  
who is producing eggs for market, as it  
enables him to tell readily which birds  
are yielding him a profit and which should  
be disposed of as unprofitable.

The Potter "System" is a very complete  
and accurate method, and it would pay  
any poultryman who is not familiar with  
it to send for circulars and particulars,  
which will be furnished free by address-  
ing T. F. Potter & Co., Downers Grove,  
Ill. When writing, kindly mention this  
paper.

At Boston we met our long-time friend,  
David P. Shove, the proprietor of Shove's  
Poultry Farm, South Somerset, Mass.  
Mr. Shove has a wonderful lot of Rhode  
Island Reds, Houdans, Columbian Wy-  
andottes, Embden geese, Pekin ducks, and  
Homer pigeons, all of which we can  
recommend to the general public and  
would suggest that you write Mr. Shove,  
at Fall River, Mass., and secure one of  
his latest catalogues, telling of his yards  
and describing the stock for sale.



Each year the Cyphers Incubator Company produces a catalogue and poultry keepers guide that even surpasses the standard set by their catalogue of the previous year. This year was no exception. "How to Make Money with Poultry and Incubators," which is the title of this year's catalogue, is an achievement of which the Cyphers Company may justly feel proud. Larger than ever before, it has grown to 260 pages; typographically, it is a thing of beauty.

Some curious facts about the catalogue have been compiled, which may interest our readers: It contains 260 pages. This edition piled flat one on top of the other would reach a height of 4,557 feet. If the pages were placed edge to edge they would extend 5,468 miles, being further than New York to San Francisco and back to Buffalo—further than across the Atlantic to Europe and back again. The pages placed side by side would cover a 450-acre farm and have enough left over for a fair-sized poultry farm. The illustrations would cover a 100-acre farm with pictures.

tors at Cortland, N. Y. Mr. H. O. Guimaraes, well-known to the incubator manufacturers of the world as an expert in this line, has connected himself with this company. They will have a beautiful, well constructed hatching machine containing all of the most valuable features known to incubator manufacturers. This company will make it their business to send out the very best that can be made. Their new circular is ready for delivery. Their advertisement will be found in this issue of THE FEATHER. We trust that every one who sees this notice will send to the Cortland Incubator Co., at Cortland, N. Y., and ask for one of their new catalogues, stating that they saw the notice of same in THE FEATHER.

Mr. Joseph P. Hildorfer, of Allegheny, Pa., sends us an advertisement of his breeding pens for this spring. Mr. Hildorfer never sells his winners. He always keeps the best of these from which to rear his exhibition stock and to sell eggs to his customers. His Black Minorcas have won from Madison Square Garden to St. Louis.

The Cycle Hatcher Company, of Keesville, N. Y., are forging strongly to the front with their line of goods. This company is more than anxious to have every one interested in the latest hatching devices to send to them for their 1907 catalogue. Write at once and tell them that you wish their descriptive catalogue mentioned in the March issue of THE FEATHER.

Mr. C. A. Morton, secretary of the American Buff Plymouth Rock Club, came from St. Louis to Auburn and from there to Boston in the interest of Buff Plymouth Rocks and the club. Mr. Morton made numerous acquaintances and many friends. He is an active young business man from St. Louis, who proved the determination within him to make the membership of his club reach the four hundred mark. At their meeting Mr. Greene, of Syracuse, was elected president; Mr. Morton, secretary-treasurer. Write him at 510 Chamber of Commerce, St. Louis, Mo., for full particulars.

Mr. A. L. Fawcett, breeder of Buff Plymouth Rocks, has some exceptionally fine birds which would delight the fanciers of this breed. In a letter to us, recently, he stated that he has a splendid cockerel, which Judge Denny gave a score of 93. Another cock bird he assures us will score 94. These are the birds that he uses as breeders. Although he had only two entries at Scranton in the 1907 show, he won fourth cockerel. Mr. Fawcett gives the best sort of a guarantee with his birds, as all stock that is not satisfactory may be returned. For other information about his birds, address Mr. Fawcett, Box 5, New Albany, Pa., and kindly mention THE FEATHER.

Mr. C. E. Hodgkins of Northampton, Mass., is a successful and well-known breeder of White Plymouth Rocks and White Wyandottes. He has given much attention to developing a good laying strain, and his fowls have a wide reputation for their good qualities. Mr. Hodgkins holds a large and widely extended trade in fowls and eggs for breeding purposes. His fowls are prize winners at the poultry shows and, considering quality, his prices for stock and eggs are low.

At Northampton's poultry show in November, 1906, Mr. Hodgkins won on Graves' strain White Rocks, first cock,

Cornish Indians, First at Philadelphia, Hagerstown, Allentown, Harrisburg, etc. Circular G and mating list free. R. D. REIDER, Route 2, Middletown, Pa. 12-8

Game Eggs, \$1. Beauty and Utility, I. B. B. Reds, Tornados, Silver, Gray, Hathwoods, Cornish Indians, \$2; Whites, \$3. C. D. SMITH, Fort Plain, N. Y. 12-8

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Cornish Indian and Black Red Malay Game Eggs, \$1.50 per 15; Barred P. Rocks, \$1. Stock for sale. Inclose stamp. H. B. SWARNER, Plainfield, Pa. 12-8

Prize Winners, World's Fair, Indianapolis, Cincinnati, in Pit Games, Exhibition Games, Red Pyle, Black-breasted Red and Cornish Indian Games. Stock and eggs. WESLEY LANIUS, Greensburg, Ind. 12-8

For Sale—All My Prize Winning Standard Game. Game and Ornamental Bantams. Send for price list. Crested White Duck Eggs, \$2 setting. J. C. BLUNCK, Johnstown, N. Y. 12-8

Exhibition B. B. Red Games. Won 2 Firsts, 3 seconds at Cleveland. Choice cockerel for sale. Eggs, \$2. R. D. NICHOLS, Ravenna, Ohio. 12-8

Games, Cornish, Indians—Immense in Size, Shape, and colors. Prolific layers. Winners bred from winners; also B. B. Reds, exhibition type, high station, reaching close whip tails. Selling eggs from grand matings. Prices low. REEVES CONDON, Rexford Flats, N. Y. 12-8

Black-breasted Red Exhibition Games a Specialty. Standard shape and style. Birds and eggs to spare. Write, stating wants. E. R. SPAULDING, Japprey, N. H. 12-8

Black-breasted Red Games. "The King of Poultry"—great layers. H. H. FLICK, Manchester, Md. 12-8

White Langshans—Won 1st Prize Langshan Pullet, Boston, 1907; won 1st Langshan eggs for best dozen; pure bred; best of winter layers; eggs, \$2 for 15. C. L. WEDEN, Pike, N. H. 12-8

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## LANGSHANS

Black Langshans, and White Rocks. Choice Eggs from rare stock, \$2 per setting, or setting of each for \$3. SUCCESS POULTRY YARDS, Box 64, Berryville, Va. 12-7

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Black and White Langshans. Eggs from Silver cup and other winners, \$2.50 per setting. FRANCISCUS & HOFFMAN, Route 4, Box 2, Carlisle, Pa. 12-7

Pure Black Langshans and Buff Orpingtons. Young stock, \$1 to \$3 each. Eggs, \$1.50 per 15. Enclose stamp for reply. J. E. ADAMS, Hintonville, Ill. 12-7

Thoroughbred B. B. Red Game Eggs—Highest quality, \$1.50 per 15; \$2.50 per 30. AARON G. MOYER, Maytown, Pa. 12-8

Thoroughbred Croad Black Langshans. Young stock and eggs from Madison Square and Boston winners. Prices reasonable. W. B. FREEBURN, Sparkill, N. Y. 12-8

Try Our White and Black Langshans, Celebrated winners Pan-American, Hagerstown, Rutland, Syracuse, Cambridge, Poughkeepsie, Newark, Louisville, Dayton, Carlisle, Cincinnati, Lexington, Frankfort, Springfield. Great winter layers. Birds to 96. Eggs, \$2 and \$3 per setting. Expressage prepaid. GEORGE BEALER, Nicholasville, Ky. 12-8

Gardner's Black Langshans. Exclusively Prize winners and heavy layers combined. Eggs for hatching, \$2 per 15. Homer Pigeons for sale. GEO. P. GARDNER, Guilford, Conn. 12-8

Black Langshan Breeding Stock, Farm Raised. 1st prizes at Boston and other shows. Brown eggs and superior quality of flesh. C. H. SCALES, Leominster, Mass. 12-8

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Lakenvelders. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Sonderton, Pa. 12-9

Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. 12-8

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Six Trios Golden Spangled Polish at Half Their value must be sold, the most beautiful fowl in existence. Write T. F. ADAMS, Binghamton, N. Y. 12-6

Breeder of All Kinds of Polish, Silver Spangled Hamburgs and Buff Cochins Bantams. Choice stock for sale. Eggs in season. ROBERT NEUGART, Sherbondy, Ohio. 12-8

We Won Twenty Ribbons and the Silver Cup for display. All the ribbons at Middletown, the American Club State Polish Cup for display, silver cup for most points and special prize for best shaped male bird in class of nineteen at Hartford, and first prize on Golden Polish Cock at Madison Square; all in 1907; send stamp for circular. GOUGH'S POULTRY YARDS, Breeders Plain Golden and White Bearded Polish, Box 563, Meriden, Conn. 12-6

## SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

White Face Black Spanish a Specialty for 47 years. Circular and photos free. However, a stamp thankfully received. JOHN BENNETT, Sunman, Ripley Co., Ind. 12-8

## HOUDANS

Houdans! High-class Exhibition and Breeding stock. Eggs from birds scoring 95 and better bred from 281-egg-record hens, \$4 per 15. DR. G. W. TAYLOR, Orleans, Ind. 12-7

Have Been Breeding Houdans for 12 Years, and my birds are better than ever this year. If interested in this variety, you should get some of my birds. A few choice cockerels at \$3. Eggs \$2.50 per 15. Satisfaction guaranteed. LOUIS FALLER, Newton, Ill. 12-7

Houdans. Eggs, Carefully Packed, \$1.50 for 13; \$2.50 for 30. Our stock has won at New York, Springfield, Bristol. BRINKERHOFF, West Springfield, Mass. 12-8

Houdans, Bred from Highest Scoring, and Highest record laying stock in the world. From 270 to 281 eggs, hens, and winners at World's Fair, Chicago, Hagerstown, and New York. One of my exhibition matings consists of hens all scoring over 95 points, mated to cock that sired the first cockerel and first pullet at recent Madison Square Garden show. Stock for sale, but not cheap. Also eggs. A. E. JONES, Elkland, Pa. 12-7

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Red Caps! Eggs from English Red Caps during season. First prize winners Johnstown and Gloversville shows. JESSE LANING, Johnstown, N. Y. 12-7

Red Cap and Houdan Eggs from Choice Stock that has won prizes wherever shown; \$1 per 13. Stock for sale. H. M. MERRIAM, Ashburnham, Mass. 12-8

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Prize Buckeyes, Scoring Over 90—Hardy, Excellent mated and layers. Settings, \$3; 2 for \$5; \$2, 3 for \$5. Stock reasonable. W. G. JUDSON, Meshoppen, Pa. 12-8

## DORKINGS

Silver Gray Dorkings. Eggs from Imported and prize winning stock for sale, \$2.50 for 15. A few birds for sale. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Dorkings—Silver Gray, White and Dark. After 36 years breeding, importing, selecting, have attained highest perfection of this famous breed. Prizes and cups from our principal shows. Few choice birds for sale. Eggs: \$3 one setting; two, \$5. Fine Gray Japanese Bantams. No eggs for sale. HENRY HALES, Ridgewood, N. J. 12-7

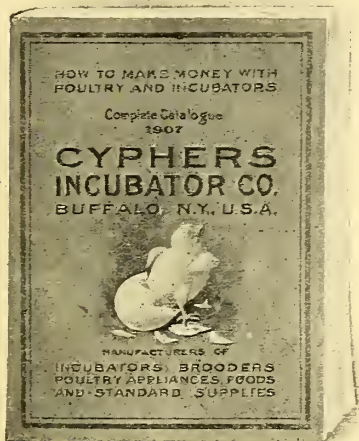
Dorkings—White Silver Gray Colored Orpingtons, Black, Buff, White, Wyandottes, Games. Blue ribbon winners, New York, Boston, Chicago, Syracuse, Johnstown, Troy. Stock and eggs. RALPH CHANT, Johnstown, N. Y. 12-8

Silver Gray Dorkings Exclusively for 18 Years. The very best, as my records show. More first prizes won last ten years at New York, Boston, and Pan-American than all my competitors combined, a total of 41 against 33. Eggs from fine matings, \$2.50 13; \$4 26. WATSON WESTFALL, Sayre, Pa. 12-8

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Dopp's Silver Spangled Hamburgs Are Prize Winners; great layers; ideal shape; very beautiful. cocks and cockerels for sale. Eggs \$1 setting. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

S. S. Hamburgs and Silver Wyandottes as Good as they grow. Send for photo and price of wants. 15 eggs \$2.50. D. BENNETT, Galena, Ohio. 12-7



The table of contents, better than anything else, will show how comprehensive and helpful the catalogue must prove to all poultrymen.

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2. Full Description and Illustrations of Incubators, Brooders, Poultry Foods and Poultry Supplies manufactured by Cyphers Incubator Co. (Page 11.)
3. Photographs and Business History of Members of the Company. (Page 5.)
4. Full Page Illustrations of Factory, Office, Mill, and Branches. (14 pages.)
5. Illustrations and Descriptions of Cyphers' Fifty-acre Poultry Farm. (Page 132.)
6. Photographs of Poultry Experts at Government Experiment Stations, with Illustrated Reports on Artificial Incubation. (Page 154.)
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8. Photographs of Foremost American Fanciers and Plants. (Page 215.)
9. Reports from Women who Practice Artificial Incubation. (Page 248.)

Any of our readers may obtain a copy of the catalogue free by mentioning this paper, and sending this request to the nearest office—one of the following: Court and Fourth Streets, Buffalo, N. Y.; 23 Barclay Street, New York, N. Y.; 26-30 Union Street, Boston, Mass.; 310 Fifth Avenue, Chicago, Ill.; 2325 Broadway, Kansas City, Mo.; Third and Linden Streets, Oakland, Cal.; and 117 Finsbury Pavement, London, Eng.

There was organized in January a corporation under the name of the Cortland Incubator and Manufacturing Company, an organization to manufacture incuba-



Black Hamburgs and Single-combed Rhode Island Reds. Hamburgs out of my pens won the blue at Hagerstown, Md., 1906. Eggs, \$1.50 per 15. Satisfaction guaranteed. H. E. LAPP, Allentown, Pa. 12-8

Silver Spangled Hamburgs. Choice Matings. Headed by sons of first New York cockerel; none better. Settings, \$2; 2, \$3.50 no stock. WILL CLARKE, Sullivan, Ohio. 12-8

Lohr's Golden Penciled Hamburgs Won the \$25 Silver Cup at the big Ann Arbor Show in January, 1907, of 2,400 entries, on best pair in show. Score, 189 1-2. The largest show ever held in Michigan. Stock and Eggs in season. E. J. LOHR, Ann Arbor, Mich. 12-8

## LITTLE CHICKS

Baby Chicks, Just Hatched, Shipped Any Distance. Barred Rocks, White Leghorns, \$15 per 100. Circular free. Also poultry supplies. CORNELL HATCHERY, Frenchtown, R. I. 12-7

Incubator Chicks. Eggs for Hatching from the Waterville strain of S. C. White Leghorns. Chicks safely shipped. Descriptive circular. B. H. SIMMONS, Sherburne, N. Y. 12-8

## TURKEYS

Fine, Large Bronze Turkeys, Lined by a 50-lb. Tom. Up to the standard markings and weight. Prices reasonable, quality considered. Both sexes. ROME McDOWELL, Greentown, Ind. 12-6

Bronze Turkeys; 43-lb. Tom, 22 to 23-lb. Hens; 12 firsts at New York in two years; breeders for sale. GEO. W. SALISBURY, Phelps, N. Y. 12-7

Anxious to Raise Turkeys? Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

Turkeys, Early May Hatch. Giant M. Bronze turkeys. Breeders wishing extra good birds from 48-lb. tom for fall shows write me at once. Enclose stamp. Toulouse Geese \$2 and \$3 apiece; toms, \$5; three hens, \$10. MRS. A. J. SINDLINGER, Route 3, Bronson, Mich. 12-7

Bird's Giant Bronze Laid at Madison Squares Garden's greatest turkey show. January, 1907. Competing with six of America's leading breeders, they took nine premiums out of twenty, winning 2d, 3d, and 4th cocks; 2d and 5th cockerels; 4th hen; 1st, 2d, and 4th pullets. Fine exhibition and breeding stock for sale. Females, \$7 up; males, \$10 up. BIRD BROS., Box E, Meyersdale, Pa. 12-6

"Goliath" Bronze Turkeys. Best Strain in Ohio. Breeder of long experience; can help you raise 95 per cent. of your hatch. Reasonable prices. Circular. MRS. R. E. FLOREA, Route 2, Wilmington, Ohio. 12-8

Jumbo Bronze Turkeys. Flock Headed by 48-pound Tom, scoring 97; hens as good; 10 eggs, \$2.50. C. R. SMITH, Burnt Prairie, Ill. 12-8

## DUCKS

For Sale.—Beautiful Dark Green Muscovy Ducks. Apply BOX 147, Hinsdale, Ill. 12-6

Wild Mallard Ducks; Ornamental, Show, Table, breeders, decoys, Albino (white or green). Head, \$5 per pair. RIVER VIEW FARM, F. B. Fenton, Beloit, Wis. 12-6

Mammoth Pekin Ducks. Bred from My Delavan and Milwaukee winners. Show birds and utility birds for sale now. CHAS. W. BEARDSLEY, Darien, Wis. 12-6

Mentzer Duck Farm, Waynesboro, Pa. Seven hundred thoroughbred Imperial Pekin breeders, specially selected from about ten thousand hatched this season. Drakes not akin. None better. 12-6

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen; \$7.50 per 100. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Rouen Ducks. Birds of Fine Quality Bred from Imported stock for sale. Winners wherever shown. Eggs in season. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Wild Mallard Ducks in Full Plumage, Only \$3 per pair; pure white Guinea fowls, only \$2.50 per pair. JOHN G. GERRISH, East Haven, Conn. 12-7

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Ducks! Rouens Are the Great Quality Table Duck and the fancier's delight. I breed no other kind of birds, and have been perfecting my Rouens for seven years. Send for circular with show record. Magnificent young show birds and eggs for sale. F. D. BAERMAN, Danellen, N. J. 12-7

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Mammoth Pekin Ducks—Eggs for Sale from our hearty cooperation. JOYCE BROTHERS, Penfield, N. Y. 12-8  
choice birds. Write us your wants and rely

Duck Eggs, \$2 per 13. Rousn, Pskin, Cayuga, Indian Runner, Muscovy, Colored and White Geese eggs, 60 cents each. White China, Toulouse, Embden, African, Chicago, Minneapolis, and St. Louis winners. DAWSON BROS., Box F, Franksville, Wis. 12-8

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Pekin Ducks—Winning Four Firsts at Chicago, 1906. Give me your egg order if you want to win the blue. JOHN BATCHELOR & SON, Thompson, Iowa. 12-8

Yoder's Indian Runner Ducks, Famous Egg Strain. 11 eggs \$1.25. Cash with order. 5c stamp for catalogue. LEVI D. YODER, Box 47, Dublin, Pa. 12-8

Rouen Ducks—World's Best. Eggs, \$1.50 per 13; \$8 per 100. Circular free. Write. F. D. FOWLER, Carlinville, Ill. 12-9

12 Eggs, \$1, from Choice, High-scoring Indian Runner Ducks; as good as the best. ROYE & PALMER, Nassau, N. Y. 12-8

## GEESSE

Toulouse Geese.—None Better. Eggs, \$2 per seven. Circular free. Write F. D. FOWLER, Carlinville, Ill. 12-8

## PHEASANTS

Golden and Amherst Pheasants. Guaranteed Finest quality. Young stock, \$12 and \$18 per pair. Partridge, Cochlin Bantams; none better; winning four firsts and four seconds at Dallastown Show, November, 1906. Prices reasonable. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-6

Pheasants.—Wood and Mandarin Ducks, Peafowl, Pheasants, Fancy water-fowl and Quail, books and color plates. Ginseng, Golden Seal. N. B. CURSTEAD, Oilpant Furnace, Pa. 12-6

Pheasants, 30 Varieties, \$2 Up. Most Beautifully colored birds of this world. Easier raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock. Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4

Notice—I Will Save You Money on Pheasant Eggs and stock. Get my prices before you buy. Now booking orders for eggs, 90 to 95 per cent. fertile. Stamp for complete price list. Ten cents for booklet, The Pheasant Industry and catalogue. THE OHIO PHEASANTRY, Box F, Columbiana, Ohio. 12-8

Oakwood Farm Pheasantry. I Will Have for sale about March 1, Silver, Golden, and English Ringneck Pheasants eggs from healthy, vigorous stock. Place your orders early. Also Buff Cochlin Bantam Eggs from the best. B. F. SEXTON, Oakwood Farm Pheasantry, Babylon, Long Island, N. Y. 12-8

Pheasants: Amherst, Golden, Silver, Ringneck. Fancy poultry, pigeons, and ducks. Place your order early for eggs. Good birds on hand. Correspondence solicited. HILLSIDE PHEASANTRY, Reading, Pa. 12-7

## ORNAMENTAL

Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotus, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamings, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercallies. Write for price list. WENZ & MACKENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Burmese Hen, Pollsb Lynx, Carriers, Dragons, Pouters, Pigmies, Fantails, Jacobins, Owls, Turbits, Blondinettes, Swallows, Magpies, Helmeta, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-7

Fancy Pigeons.—White Homers a Specialty; also White Dragons. FRED HIENER, 644 East Boundary Ave., York, Pa. 12-7

For Sale.—Pigeons of the Following Kinds: Jacobins, all colors; Black and Blue-winged Turbits, Black, Dun, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-7

German Pigeons.—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and 100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-13

first and second cockerels, second and third hens, first, second and third pullets, and first and second pens. His White Plymouth Rock hen that won first at Springfield, was scored 96½ points by Mr. Felch. When writing to Mr. Hodgkins about his birds kindly mention this paper.

We are all of us prone to chase the will-o'-the-wisp in the way of newly constructed or recent productions, but we might well remember that a long-trying friend proved faithful, should never be forgotten. The Prairie State Incubator Company, of Homer City, Pa., has made long strides within the past two years in improving the well-known and faithful friend, the Prairie State Incubator. They have added to and improved their line of brooders. Everything made by them is up to date and in line with the best hatching machinery. We noticed the other day in the show room their beautiful new catalogue, and we believe that each one of our readers should send to them at once for a copy. Mention that you saw this notice in THE FEATHER, and you will receive a new catalogue without cost.

Mr. A. S. Hummel, of Freeport, Ill., has just from the press his sixteenth annual catalogue of poultry. Mr. Hummel is a dealer in all kinds of land and water fowls, poultry supplies, incubators, and everything of value to the poultryman. Every one desirous of purchasing fowls, eggs or supplies, should drop a line to Mr. Hummel, and ask him to send one of his list catalogues.

The H. M. Sheer Company, of Quincy, Ill., are making great improvements in their hatching machinery. They have issued a beautiful catalogue. If you will write and tell them that you saw this in THE FEATHER, they will send you some interesting printed matter relative to the growing of poultry; they tell you how to do it profitably, and you should have this information.

The Harvey Seed Company, long known as the great Poultry Supply House, of Buffalo, N. Y., have just completed, ready for delivery, one of the finest catalogues ever issued by them. They claim to give the best at the lowest possible prices. Write them and ask for full description of their complete line, as mentioned in this paper.

The tremendous increase in the price of lumber in the last few years has made shingles on most farm buildings a very serious proposition.

In order that every reader of this paper may become familiar with a roofing which is rapidly taking their place, the Barrett Manufacturing Company, who are the largest manufacturers of roofing in the world, have offered to send free a sample of their Amatite Roofing to every reader of this paper. We suggest that every reader write at once for a free sample and illustrated booklet. Few things are more important to the farmer than a good, tight roof. The request for sample should be addressed to the Barrett Manufacturing Company at New York, Chicago, Philadelphia, Cleveland, Cincinnati, Boston, St. Louis, Allegheny, Kansas City, New Orleans, or Minneapolis. Please mention THE FEATHER in your request, and you will be assured of prompt attention.

Mr. C. C. Burrough, Clayton, N. J., won a number of specials on his White Plymouth Rocks at the Washington show.

Pigeons of Following Utility Stook, Runts, Maltese Hens, Dragons, Dutchess, and Homers. 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty St., Camden, N. J. 12-6

Magpiss—Fifty Winners in All Colors, at New York, Rochester, and Scranton. All ready for breeding; at very reasonable prices. Drake and Gibson strains. S. S. CRANDALL CO., 12 Steuben Park, Utica, N. Y. 12-6

Whits Fantails and Blue Fantails—Have Some fine birds for sale, cheap. Write me, if you want a bargain. L. M. ALLEY, Box 5, Midway, Ala. 12-8

For Sale—Fantails, Trumpeters, Homers, and Performing Tumblers in all colors at reasonable prices. Write for prices. LEON E. TROXELL, Box F, Jefferson, Iowa: 12-6

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Homing Pigeons.—I Have a Number of Fine cocks in Blue and Black Obequer and several pairs of mated birds (excellent breeders) that I will dispose of at reasonable prices. The above birds are pure-blooded Homers, and bred from reliable stock. Also a limited number of youngsters bred from the same strain. G. R. BAYLE, 1643 Race St., Philadelphia, Pa. 12-7

High-class Homer Pigeons for Squab Raising, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

First Class Mated Breeding Homers.—Ten pair lots and over, \$1.35 per pair; under ten pairs, \$1.50 per pair. E. K. McLEAN, Jr., Hoosick Falls, N. Y. 12-6

Raise Big Squabs; Homers (extra large) Banded, Squabs weigh 12 to 16 ounces at four weeks; mated pairs guaranteed; correspondence solicited. JOHN COLE, Humbolt, Iowa. 12-6

Important and Valuable Information That Every one interested in pigeons should have—mailed free; send postal to-day. HOWARD BUTCHER, New Britain, Bucks County, Pa. 12-6

Are You Going to Raise Squabs? For Large guaranteed mated Homers to raise plump, white squabs address E. M. FOULSON, Box 55, Bedford, N. J. 12-7

Bargains! High-class Mated Homers. Two Pairs of 50 pairs each to close out immediately at a sacrifice; all colors; great squabblers. SQUAB FARM, Marietta, Pa. 12-7

Square Deal Homers Mated and Banded; Guaranteed the peer of any you can buy at \$2 the pair; our price \$1.25 for immediate delivery. Your money back if not satisfied. SQUARE DEAL LOFTS, Souderton, Pa. 12-7

Wanted.—Homer Pigeons of Good Breeding Age; any quantity; also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bourse Building, Philadelphia, Pa. 12-10

White Homers a Specialty. The Great Snow Flake strain are stay-whites, large mated breeders, too. GEO. W. STUMP, Springvale, Pa. 12-7

One Pair of Fine Large Homers for Sale; Must make room; will sell cheap by the pair or lot. C. W. CHESTON, Easton, Pa. 12-7

Homers for Squab Breeding; Mated Birds; Prolific breeders. Squab raising pays better than poultry. MISSOURI SQUAB CO., 3801 Sbas Avenue, St. Louis, Mo. 12-7

Homer Pigeons; Large Mated Pairs Guaranteed. Raise large squabs. Prices Right. H. B. GARVER, 53 E Water St., Middletown, Pa. 12-7

For Sale—50 Pairs Breeding Homers, at \$1.25 per pair; 5 pairs White Homers, \$2 per pair. F. R. SCHEFFEY, New Hanover, Pa. 12-8

We Are Raisers of Selected Homer Pigeons for squab breeding. Our birds have made us many satisfied customers, why don't you write us just what you want for stock and we will gladly quote prices, and if you send one dime with your letter we will forward our 16-page booklet on Squab Raising. Squabs from our breeders average 9 lbs. to the doz. Every pair mated. Every mating guaranteed. BAY STATE SQUAB CO., Dept. F, Wakefield, Mass. 12-7

Homing Pigeons in Fancy Colors and Jacobins for sale. Give us a trial. Satisfaction guaranteed. JOHN A. WITMER, Sunbury, Pa. 12-8

Homers—I Will Sell Fifty Pair of My Homers. They are straight, first-class homers. All are mated and good breeders. J. W. HOPSON, Bedford, Iowa. 12-8

For Sale—Mated White Homers, Bred from Carefully selected stock, best blood obtainable. They not only have beauty to commend them, but they are large, vigorous birds, rapid breeders, and good feeders, producing large, juicy, white meat squabs. Our specialty is furnishing foundation stock in large or small numbers to those who wish to start right in building up a loft of these useful and ornamental birds. Price from \$3 to \$4 per pair. Our birds are sold on a positive guarantee as being as represented. KANAWHA POULTRY AND PIGEON FARM, P. O. Box 167, Charleston, W. Va. 12-8



**Young Pure White Homers.** One Pair, \$1.50, three pairs, \$4; eggs, \$2 a setting. They are beauties and large; also S. C. Brown Leghorn (Wittman strain), eggs, \$2 a setting. The best show and laying strain known. H. M. MOYER, R. 2, Bechtelsville, Pa. 12-6

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**Wanted—5,000 Old Common Pigeons.** Pay 30c. pair. Highest prices paid for Homers, Guinea Fowls and live rabbits. "N." GILBERT, 1128 Palmer St., Philadelphia, Pa. 12-8

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**The Lonise Poultry Yards.** Eggs for Spring Setting for sale. Rhode Island Reds, 15 eggs, \$1; Buff Orpington, 15 eggs, \$1; Lace Wyandottes, 15 eggs, \$1; White Wyandottes, 15 eggs, \$1; Black Minorca, 15 eggs, \$1; Brown Leghorn, 15 eggs, \$1; Game, fine stock, 15 eggs, \$2.50. All true bred stock. G. H. JOHNSON, Propr., Louisa, Va. 12-7

**Toulouse and Embden Geese Eggs, 50c Apiece.** Brown and White China Eggs, 35c apiece. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

**Pekin and Ronen Duck Eggs, \$1.25 per Setting,** or \$7 per 100. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

**Eggs of Buff, White, and Partridge Cochins** Light and Dark Brahmas, and Black Langshans, \$2 per setting. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

**Eggs of Brown, Buff, Black, and White Leghorns, Black Spanish, Black Minorcas, Silver Pencilled, and White Wyandottes, \$1.50 per setting.** ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

**Eggs from Thoroughbred Barred Plymouth Rocks, \$1 for 15; 30 for \$1.50.** Orders promptly attended to. Satisfaction guaranteed. T. E. SHOUGH, Box 24, Rushville, Ohio. 12-8

**Eggs, White and Silver Wyandottes.** I Took two firsts, second, and special on Silvers at Washington Show; \$1.50 per 15. H. A. BACON, Branchville, Md. 12-8

**Eggs for Sale: Single-combed Brown Leghorns; White Plymouth Rocks.** Bred nine years for egg production; \$1 per setting; selected. THOMAS JACKSON, Bedford, Ind. 12-8

**Eggs, \$1 per 15, from White Minorcas, White Wyandottes, Rose and Single-combed, White Leghorns, White, and Buff Rocks.** WOODLAND POULTRY YARDS, Elizabethtown, Pa. 12-8

**If Your Egg Production is Not Satisfactory, Try White Minorcas, White Rocks, and Pekin Ducks.** Eggs from fancy or utility, \$1.50 and \$2.50. M. L. ARMSTRONG & CO., Smethport, Pa. 12-8

**Eggs for Hatching from Heavy Laying Single-combed White Leghorns and White Wyandottes.** Also Buff Pekin Bantams and White Guineas. Four pair Pea Fowls for sale. THE IDEAL EGG FARM, Watertown, Orleans Co., New York. 13-5

**I Will Sell You 20 Eggs for \$1; 50 \$2; 100 \$3.50;** from selected Single-combed Brown Leghorns. Bright strain. JESSE FORNEY, Birds Run, Ohio. 12-8

**Special! Eggs from Standard Bred S. C. Brown Leghorns.** R. C. Rhode Island Reds, \$2 per 15; \$7 per 100. LARSON & CARLSON, Sandwich, Ill. 12-8

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**Eggs—Great Combination—Rose-combed, Black and White Minorcas, Blue Andalusians, Rose-combed Brown, Single-combed White Leghorns.** Eggs, \$1.25; Rose-combed Black Minorcas, Cockerels, \$1. WEAVER'S EGG FARM, Liverpool, Pa. 12-8

**Eggs for Hatching. Rose-combed Black Minorcas; always lay but never set; if you want eggs keep this strain; \$2.50 for 13.** Address MISS BERTHA E. LEWIS, Voluntown, Conn. 13-5

**Eggs—Pure Bred Barred Rocks, Rhode Island Reds, Buff Orpingtons, \$2 per 15; few choice cockerels for sale cheap; write me.** FRANK FORBES, New Hagerstown, Ohio. 12-8

**Eggs from Two Grand Pens, White Wyandottes; large, blocky, standard weight birds; \$1.50 per 15.** F. N. DAVIS, Chillicothe, N. Y. 12-8

## FERRETS

**Ferrets, Beagles, Fancy Rabbits, Barred Plymouth Rocks (from Gardner), Toulouse Geese and Indian Runner Ducks.** Thirteen years' experience as a breeder. J. M. MARTIN, Delanson, N. Y. 12-10

Mr. John L. Kerr, of Wilton, N. H., has purchased from Mr. J. P. Keating seven females and three males, including the first prize breeding yard of Buff Plymouth Rocks at the late Boston show. Mr. Kerr offers eggs for sale from these through the columns of THE FEATHER.

M. M. Johnson, the incubator man of Clay Center, Nebr., made an exhibit of his hatching machinery at the Great Washington Show. Mr. Risdon, the agent here, made many sales. Mr. Johnson has just commenced campaigning in the East. Our readers should send a card for full particulars.

The Johnson Seed Company, of 217 Market Street, Philadelphia, Pa., have just issued their spring catalogue, and have it ready for delivery to all the readers of THE FEATHER who will drop them a postal card and ask for same. Please mention THE FEATHER.

A late communication from Dr. Phelps, of Glens Falls, N. Y., brings the information that he is stronger than ever in his favorite varieties. The doctor has made great success with Faverolles and Lakenvelders.

Mr. H. L. Mapes, Clearview, Mt. Lebanon, Pa., made great winnings on his White Plymouth Rocks and Orpingtons at the Pittsburgh Show. Evidently from his winnings he must have a fine lot of birds.

Mr. Geo. B. Edwards, of 769 South Twentieth Street, Philadelphia, sends us some photos of his beautiful Black Orpingtons, which we hope to illustrate in our columns in the near future.

Mr. C. L. Blanton, of Falls Church, Va., the owner of the Barred Plymouth Rock cock bird and pullet, both of which won first at the Washington show, has these mated in his pens and is ready to begin spring business. The value of these can not be overestimated for the producing of fine quality stock.

The Nature's Rival Brooders, manufactured by S. G. Robinson, Jr., of West Toledo, Ohio, are winning great reputation. These are recommended as the brooders which rival nature. Mr. Robinson is anxious that every one should be fully informed as to these, and urges that all readers of THE FEATHER send for his new catalogue.

Mr. L. H. Perry, of Clay, N. Y., calls our attention to the fact that he has never been able to present such quality of Barred and Buff Plymouth Rocks and Rose-combed White Leghorns as at the present time. Having been successful in winning at the New York State Fair, at Auburn, and Ithaca, he feels elated over his success.

"The Feather is splendid. I could not be without it."—Peter Duguid.

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Dry Skim Milk, 43 to 50 per cent. Albumenoid Protein. Originator Milk Food for Poultry.

**Greatest Animal Food Known**  
Special Offer for March Only. Freight paid. New York and Maryland Stations say: "More palatable and healthful than animal meal." A. C. Hawkins—"A great egg producer." C. H. Latham—"Best thing on the market." W. L. P. Yards—"Shelling out the eggs, superior beef scraps." Gardner & Dunning—"Satisfied it is a good poultry food." C. H. Wyckoff—"A healthful food; gaining confidence in it every day." H. R. Applegate—"Twelve pounds makes 100 eggs where 12 pounds meat meal made 65." Price \$45 per ton 200 lbs. or over, freight prepaid east Miss. Riv., during March, \$2.50 per 100. Send postal to-day for free sample and folder. Agents wanted. Ask your dealer. THE BENT-CROISSANT CO., Main Street, Antwerp, N. Y., sole manufacturers. 12-10

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**Ferrets by the Thousand, Wholesale or Retail,** will clear your buildings of rats; drive rabbits from burrows. Circulars free. JEWETT BROS., London, Ohio. 12-6

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**For Sale.—Fancy Belgian Hares; Won Ten Firsts** and seven second premiums. West Virginia State Fair, 1906. JOS. R. COUNIHAN, Grandview St., Wheeling, W. Va. 12-8

## DOGS

**At Stud; Best Son of Famous Collie, Wellsbourne—Hope; winner of 100 1sts and specials.** Fee \$8. Stock for sale. Catalogue free. MONACA KENNELS, Monaca, Pa. 12-11

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**For Sale—Cavies, Rabbits, Bantams, Pigeons,** dogs, cats, etc., canaries, parrots, fish and supplies. Homers, 60 cents to 75 cents pair. Everything in pet stock. SOMERSET PET STOCK CO., Fall River, Mass. 12-8

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**Two Thoroughbred Bronze Turkey Gobblers** "young." One White Bull Terrier for sale or exchange. Something fine. Address E. E. RAMSEY, Belair, Md. 12-12

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**For Exchange.—Camera; New and in Good Con-** dition; Eastman. For R. I. Red or Polish chickens, or eggs. Correspondence solicited. FRANK PARROTT, Gaffney, S. C. 12-8

## SUPPLIES

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## BOOKS

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Breeder White Wyandottes and Rhode Island Red and Single Comb White Leghorns. My birds are great layers; fine shape and size. Eggs, \$2 for 15, and \$3 for 30. Satisfaction guaranteed. JOHN M. YERGER, Gilbertsville, Pa. 12-7

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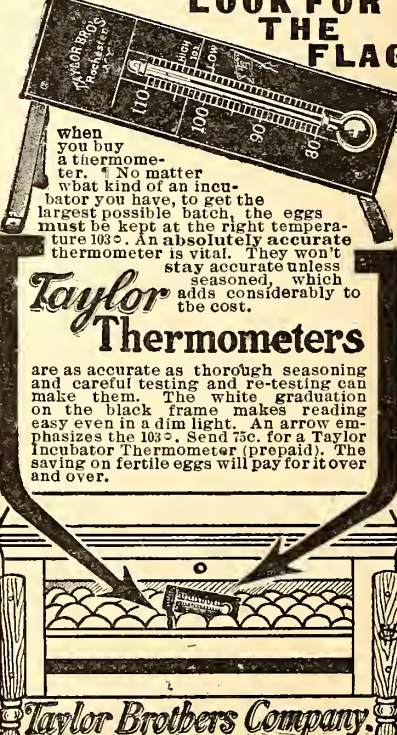
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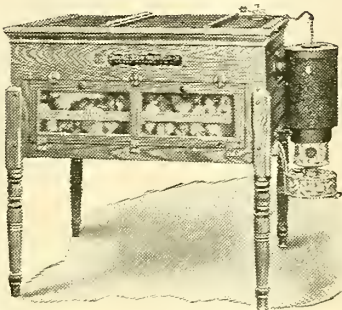
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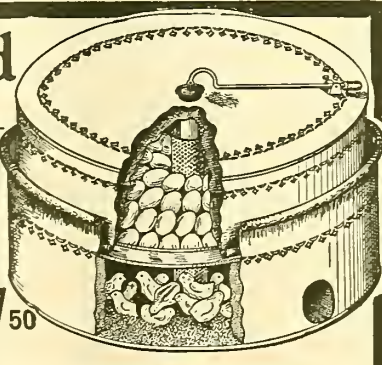
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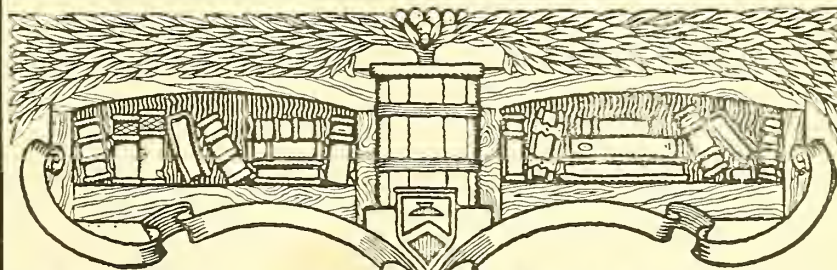
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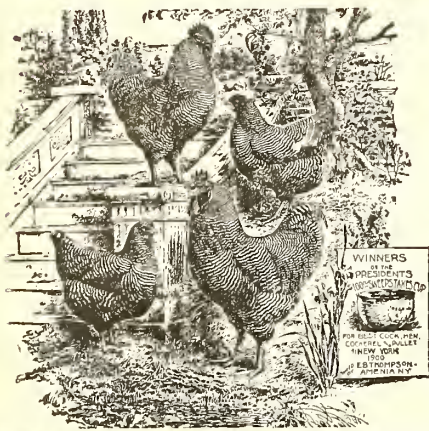
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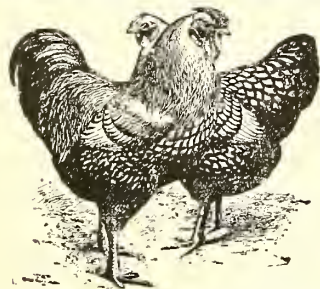
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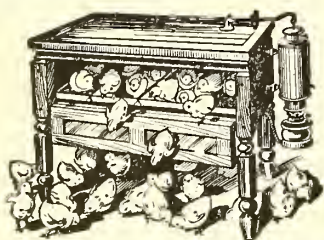


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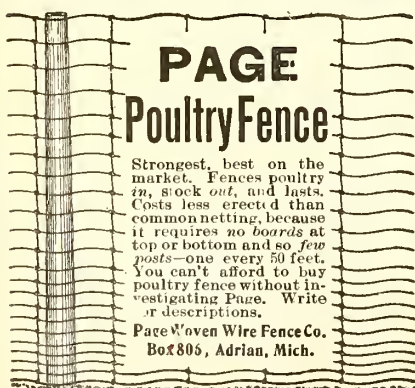
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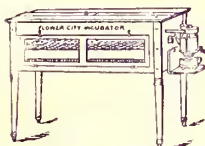


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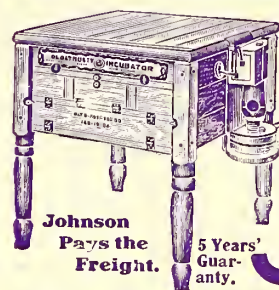
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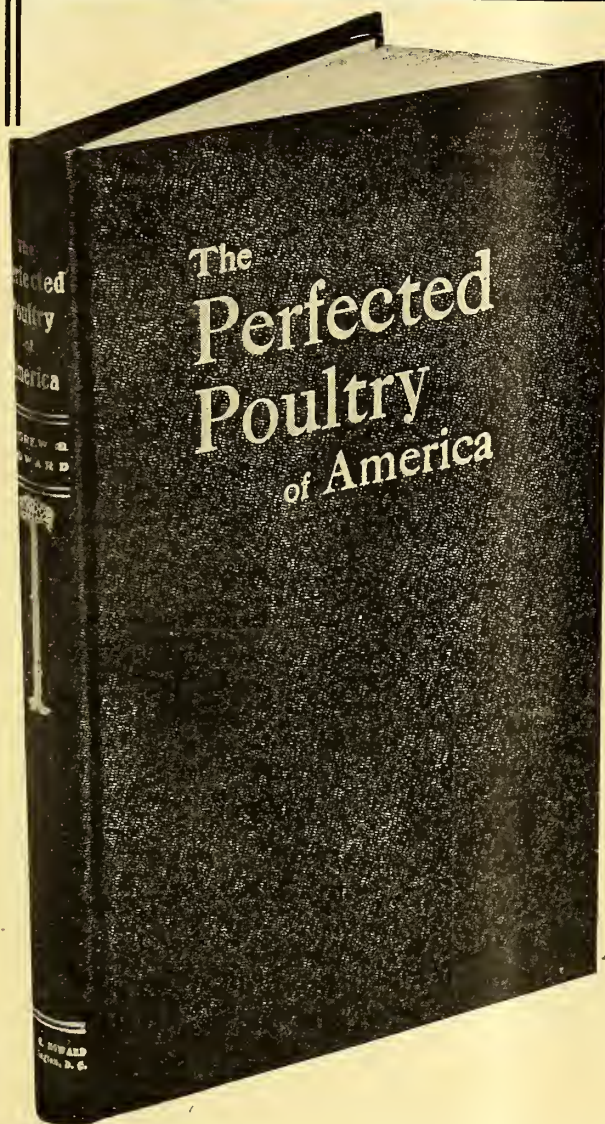


## The Perfected Poultry of America

A Concise, Illustrated Treatise of the Recognized Breeds of Poultry, Turkeys, & Water-fowl

Written by T. F. McGREW & GEO. E. HOWARD

With Illustrations by LOUIS P. GRAHAM



HAT the poultry interests of America have long demanded a book like this can not be doubted. The great volume of literature on the subject is so disconnected, that it would be next to the impossible to trace the subject-matter with any degree of satisfaction. Therefore, the importance of having in one volume the information pertaining to the Perfected Poultry of America has long been realized by those interested in the poultry industry.

The authors appreciated this fact very fully, and began the foundation work years ago, fully understanding their responsibilities and obligations to each individual variety of fowls herein presented. It is essential for every breeder of thoroughbred poultry, desiring success, to have a better understanding of his fowls, and he should not only know their history, qualifications, and general appearances, but their points of excellence as well. To do this properly, we have drawn upon every source of information at our command, and have endeavored to present our results without partiality to any breed or variety. We have given the facts and truths of the recognized breeds of Perfected Poultry as we have found them in every day life, using living models, and personal experiences as the foundation of our work.

The illustrated portions of this book are unusually interesting, and are presented with a great deal of satisfaction. The artist has performed his work well, and his models have been the best to be found. No attempt has been made to idealize the specimens, but rather to give drawings that would be recognized and appreciated for the types of fowls to be seen in the average breeding yards or show rooms of the country. These drawings probably will be criticised in some minor details, yet, as a whole, we are satisfied they will be regarded as typical specimens of the American breeder's fancy, and will be given credit as being a truthful portrayal of breed types. As a reference book, it should prove of untold value to every breeder and fancier and by following its pages the chances of success in breeding and mating should be enhanced for the expert as well as the novice.

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To EVERY ONE who in any way is INTERESTED in THE PERFECTED POULTRY OF AMERICA this book is respectfully dedicated

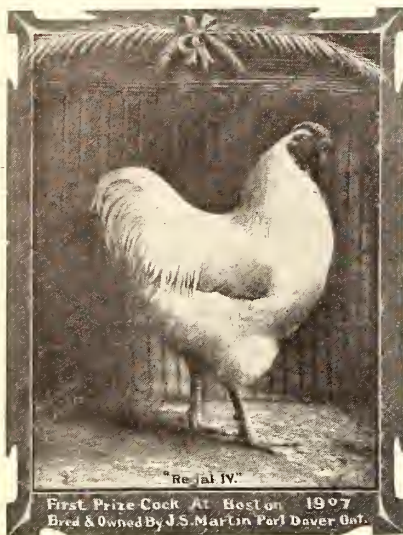
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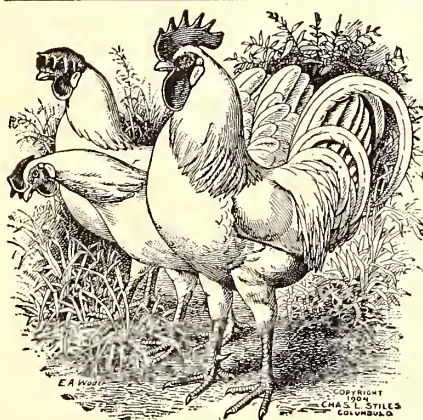
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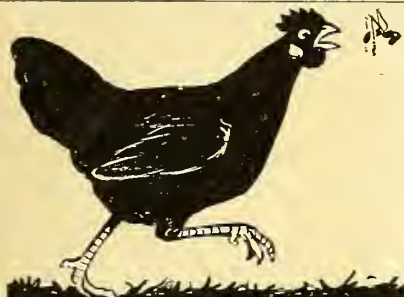
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You can't raise chicks and lice, profitably, in the same poultry-house. If you don't destroy the vermin, they will annihilate your profits. There are many ways this can be accomplished, but the quick, safe, sure and economical method is by using

## LEE'S Lice Killer

(A LIQUID)

You just paint or spray the roosts and wall's—that's all! No handling, dusting, dipping or greasing. Easy to use; economical; effective; the best that can be obtained at any price. It kills both by vapor and contact, and is just as effective in one locality as another. On sale almost everywhere, but if your dealer doesn't happen to have it we will send you a gallon, express prepaid for \$1.25, and an Egg Record free.



GEO. H. LEE CO., Omaha, Nebr.

Germozone is the best cure for Bowel Complaint, Chicken Cholera, etc.

We carry in stock the Mandy Lee Incubator and Brooders, also Lee's Lice Killer. Egg Maker and Germozone. A full line of Poultry Supplies. H. E. FISKE SEED CO., 12 & 13 Faneuil Hall Square, Boston, Mass.



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## DO YOU WANT EGGS?

Banner Egg Food and Tonic will start the hens laying and keep them at it all winter when you can get from 50c to 60c a dozen for fresh eggs.

One teaspoonful in the soft feed to a dozen hens does the work. You can't get along without it if you would succeed.

Thousands of successful poultrymen will tell you the same thing. Prices 25c per lb; by mail 16c extra. 5 lbs. \$1.00; expressage extra.

An Egg Record, good for one year, free with each box, or we will send you one by return mail if you want it. EXCELSIOR WIRE AND POULTRY SUPPLY CO., Dept. T

28 Vesey St., New York City.

# RESULTS

Are sure to follow in the wake of an ad in THE FEATHER. That is the reason there are so many down-to-date advertisers in our columns :: :: ::



## CHAMBERLAIN'S PERFECT CHICK FEED

Hen Feed, Mash Egg Feed,

Ever Green Clover Meal, and Pigeon Feed

The Standard Poultry Supplies of the World. The ONLY Original Dry Chick Feed. Sold Everywhere. Please write for prices and name of nearest Agent. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man.) ST. LOUIS, MO.



# Our Claims Confirmed

The 1907 Prairie State Incubator is more than making good our claims. It has even exceeded our own expectations in the hands of its users. And that's the test of all tests. That's what determines the value of an incubator. It's how well it meets the purchasers requirements that counts.

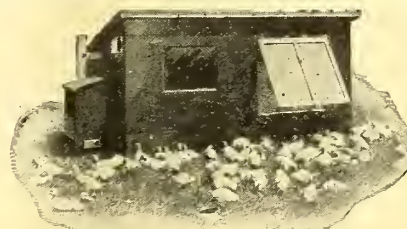
The 1907 Prairie State will be found equal to the highest anticipations of its purchasers. It will even surprise you with the unusually large, strong, vigorous chicks it brings out. Early in the winter we sent a large number of these incubators to the principal Experimental Stations north, south, east and west. We wanted them put to the severest tests and knew that at these

Stations nothing but an impartial, honest report would be given. In every case they have given excellent results. The reports are particularly good on size of chicks, vitality and low percentage of fatality, being far better in each respect than any other machines used. They also bring out the greatest number of chicks.

In buying an incubator it is to your interest to get the machine that will produce the greatest number of chicks—the largest chicks and the kind that are hatched strong enough to insure that they will live. You'll not be disappointed if you get the 1907 Prairie State. Send for catalog and learn why it hatches the kind of chicks that pay.

# BROODERS that RAISE the MOST CHICKS

The right brooder is just as important as the right hatcher. Too much care cannot be given to the selection of the brooder you buy, because so much depends upon the chicks you raise as to the success of your undertaking. There are many decided reasons why the Prairie State Colony House Brooders for out-door use will raise the highest percentage of chicks. They afford the greatest adaptation to the varying physical natures of a brood of chicks. They are roomy, well ventilated, dry, easily regulated, have over-head heat and can be run successfully in the coldest weather. The open front adapts it to summer use with or without shade and chicks are protected from rain and storms at all times.



We give with each brooder our book, "Artificial Rearing of Chicks" which covers every point of artificial rearing.

PRAIRIE STATE INCUBATOR CO., 481 Main Street, Homer City, Pa.

## The Lamp Will Not Blow Out

The lamp being specially protected with a lamp box cannot blow out and the arrangement makes it particularly convenient to get at for filling, trimming, etc. These Brooders are made in three sizes and meet the need of the large or small poultryman better than any other made. Last year a great many bought these brooders single, but this year they are re-ordering in lots of 50 at a time. That proves their practical and satisfaction giving qualities. Send for our Brooder Catalog today.



GUARANTEED BEST HATCHER

## A Guaranteed Down-To-Date Brooder and a Guaranteed WORLD'S BEST INCUBATOR

Just as we guarantee our incubators to Hatch Larger, Stronger, Healthier and More Chicks or Ducklings than any other make, because we have evidence in the shape of hundreds of letters from users, so have we the evidence that our Brooders Will Raise More and Stronger Chicks than other makes. Read this letter for example:

"We are highly pleased with the brooder purchased of you last February. Shortly after we received your brooder we received an advertisement from —, and as my husband liked the looks of the brooder advertised he ordered one. To prove the superiority of the two brooders my husband took the one ordered from the advertisement and I took yours. We put the same number of pure bred Plymouth Rocks in each brooder, side by side, and gave same attention, feed, etc. to each lot of chicks. My brooder (the Cyphers) raised 40 more than his. I may also say that his brooder smoked very badly, and did not keep the heat nearly so regular and uniform, sometimes varying from two to ten degrees where mine kept steadfast. After giving his brooder several trials, my husband said, 'Yours is far superior in many ways, and if we purchase any more they will be the Cyphers.'" MRS. O. B. CARL, Franklin, Tenn.

## MORE EVIDENCE

1. Cyphers Incubators and Brooders are used and recommended by more Experiment Stations in America than all other makes. Why?
2. Cyphers Incubators and Brooders are used and recommended by twenty Government Experiment Stations in foreign lands. Why?
3. Cyphers Incubators and Brooders are used and recommended by more Large Commercial Plants than all other makes. Why?
4. Cyphers Incubators and Brooders are used by more Fanciers of National Reputation—winners at the biggest shows—than all other makes combined. Why?
5. Cyphers Incubators and Brooders won the Gold Medals at the leading World's Fairs and Expositions. Why?

Because they have year after year proved successful in actual use.

## We Manufacture Everything For Poultry-Keepers

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OUTDOOR BROODERS  
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BROOD COOPS  
CHICK SHELTERS  
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CHICK FOOD  
FORCING FOOD  
LAYING FOOD  
SCRATCHING FOOD  
DEVELOPING FOOD  
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SHREDDED ALFALFA  
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POULTRY REMEDIES  
LICE POWDER  
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NEST EGGS  
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Write For Free Illustrated Catalogue of 260 pages, entitled "How to Make Money With Poultry and Incubators." It's a big one. We pay postage. It contains, six of the most valuable chapters ever published on poultry. Chap. I.—Magnitude of the Poultry and Egg Industry; Chap. II.—Review of Our Great Poultry Markets; Chap. III.—Profitable Broilers, Roasters and Capons; Chap. IV.—The Profitable Pekin Market Duck; Chap. V.—Successful Chick Rearing; Chap. VI.—Profitable Egg Farming. Also photographs of Successful Poultry plants, both Fancy and Commercial; Photographs of Government Experiment Station Experts; America's Foremost Exhibitors, Owners and Managers—their Poultry and Duck Houses, Incubator Cellars and Brooding Houses; Our Complete Line of Incubators, Brooders, Poultry Houses and Supplies. If in return for this book, you will send us the names and addresses of two acquaintances who keep poultry, we will consider it a favor. Address Nearest Office.

CYPHERS INCUBATOR COMPANY, Home Office and Factory, BUFFALO, N. Y.

BRANCH HOUSES: 21-23 Barclay St., New York. 310 Fifth Ave., Chicago, Ill. 25-30 Union St., Boston, Mass. 2325 Broadway, Kansas City, Mo. 701 Linden St. Oakland, Cal. 119-125 Finsbury Pavement, London, Eng.



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Prove conclusively that our  
Reds are second to none.  
1st R.C. Cockerel at New  
York, 1906; 24 in com-  
petition.

Day-old  
Chicks,  
15 cts.  
each.

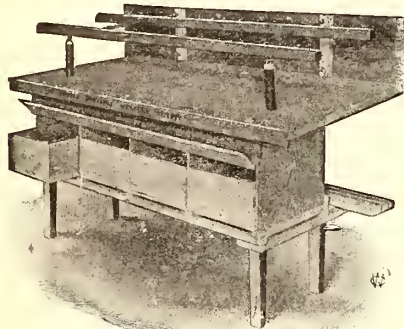
1st R. C.  
Cock and  
Hen at Chi-  
cago. Stock for  
sale. Eggs, \$2 and  
\$3 for 15.  
Send for circular.

**HAZELMERE**  
Poultry Yards  
Knightsville, Cranston, R. I.

**RHODE ISLAND REDS**

12-7

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the **POTTER SYSTEM** of selecting lay-  
ing hens—the greatest discovery of the century  
in the poultry world? It is a simple, natural and  
scientific method of picking out the layers from  
the loafers. You keep only layers in your flock  
when you use the Potter System. Figure out in  
dollars and cents your saving and added profit.  
Our system is used and recommended by promi-  
nent judges, editors and thousands of breeders.  
Write us to-day and learn what they say about it,  
and a dozen ways of making more money on your  
poultry. You can keep fewer hens, get more eggs  
and make more money if you know the Potter  
System.



**DON'T BUILD** that new hen house  
or think of fixing up  
the old one until you have seen our large, new  
64-page catalog on Poultry House Fixtures. The  
biggest and best ever issued; over 50 illustrations  
showing hen-house fixtures in three styles and  
twelve sizes; also "Simplex" trap nests; W. P.  
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equipped with Potter Fixtures. You can have  
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save time, worry and money by using them.  
OUR CATALOG tells you how to keep free  
forever from those pests, LICE and MITES. It  
has cost us hundreds of dollars but we send it to  
interested poultrymen for one red stamp, to cover  
postage.  
Write us to-day for free circulars on the **POTTER**  
SYSTEM and our new catalog. They will please  
and interest you.

**T. F. POTTER & COMPANY**  
Box 11 Downers Grove, Ill.

**RAISE EVERY  
CHICK**

Give them the  
right start in life  
by feeding them  
**Chick Manna**—the chick  
health food that promotes  
quick growth and strong  
development.

Other chick foods that you'll need  
afterwards, are told about in my free  
**Illustrated Poultry Supply Book**,  
which also shows the new Cyphers'  
Incubators and Brooders.

Let me help you solve your problems.  
Write me about anything you  
want to know.

**Stokes' Seed Store,**  
WALTER P. STOKES, of the  
late firm of Johnson & Stokes  
219 Market Street, Philadelphia

**Going Fast!**  
**U. R. Fishel's White Rocks**  
**At Special Sale Prices**

It is gratifying, I assure you, to see how breeders everywhere appreciate my Special Sales. The Birds Listed  
this year are going fast, and it seems to me if you want poultry for pleasure or profit you should have a  
copy of my Special Sale List.

are fowls that suit everybody. If you want business birds I have them in any size flock you desire.  
If you want to win those coveted Prizes at your County or State Fair I can furnish you birds that  
will do the trick nicely. The birds I am offering  
are bargains never equaled by any breeder. Send for my Special List. It is FREE. If you care to see  
my 48-Page Catalogue, send three two-cent stamps please. This Catalogue is worth dollars to any one inter-  
ested in Poultry. I am pleased to say the U. R. Fishel White Plymouth Rocks are better this season than  
ever, and will continue to be "THE BEST IN THE WORLD."

**U. R. FISHEL, Box F, HOPE, IND.**



**White Wyandottes**  
**Barred Plymouth Rocks**  
**S. C. Brown Leghorns**

EGGS \$1.50 PER 15, \$6 PER 100

**Pekin Ducks**

EGGS \$1.50 PER 11, STRAIGHT

All from good, vigorous, well-mated stock. Satis-  
faction guaranteed Write for particulars.

**The COVAN POULTRY CO.**  
R. F. D. No. 1, Cumberland, Md.

## "Profits in Poultry Keeping Solved"

Title of my new book which is revolutionizing the poultry business all over the country. My  
great feed at 10c per bushel will save you \$25 on every 100 hens you feed a year as well as increase  
your egg yield over 30 per cent. Nothing like it ever discovered for producing winter eggs and fertile  
eggs. For growing chicks it has no equal. No mashers or cooking feed under this great system.  
Broilers go 1 1/4 to 1 1/2 pounds in seven weeks on it. No science required to feed my system. Fail-  
ure impossible. Start right. Circular and testimonials free. Write to-day and stop that big feed  
bill.

**EDGAR BRIGGS**  
BOX 77, NEW ROCHELLE, N. Y.

## BARRED PLYMOUTH ROCKS

The large, shapely, clear barred kind

## WHITE WYANDOTTES

The blocky, snow-white kind (not brassy)

We have bred them since 1890. Always winners wherever shown. "None but  
the best" is our motto. Eggs from carefully selected matings \$2 per 13, \$5 per 40.  
From our utility pens \$6 per 100. Satisfaction guaranteed.

**WILLIAM H. CYPHERS, Prop.**  
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## BILTMORE FARMS POULTRY

STILL DOING BUSINESS AT THE OLD RELIABLE STAND—SHOW BIRDS AND UTILITY  
STOCK. Plymouth Rocks, Barred and White; Wyandottes, White Male Birds, \$3 to \$10; fe-  
males, \$2 to \$5; settings of eggs \$1.50 to \$3; \$10 per hundred.  
SPECIAL OFFERING—25 Per Cent. Discount on 25 Rough-coated Scotch Collies, 1 Pen Buff  
Cochins, 1 Pen Golden Wyandottes, 1 Pen Bantam Buff Cochins, 1 Pen Light Brahmas, 1 Pen Red  
Fyle Games (bantams), 1 Pen Black-breasted Games, 1 Pen Japanese Black Tails, Narragansett,  
White Holland Turkeys, Toulouse Geese, Imperial Pekin Ducks.  
Send for Special Prices. Address

**Biltmore Poultry Yards, Biltmore, N. C.**

# IDEAL INCUBATORS

## and IDEAL BROODERS

The success of our Mid-Winter Reduction Sale of Ideal Incubators and Brooders  
has been unparalleled and unexpected. Our factory instead of running half-time as  
most incubator factories do at this time of the year, has been working full capacity to  
supply the demand for Ideals by hundreds who took advantage of our money saving  
prices.

We know that there are still many who want to avail themselves of an opportunity  
to buy Ideal quality Incubators and Brooders at these profit-cutting figures. To ac-  
commodate them, we are continuing these prices through the month.

These are all new stock 1907 machines. We had no left-over machines to dispose  
of even if we wished to. There were times last season when we were over 200 machines  
behind our orders. We hope through our increased manufacturing facilities to do bet-  
ter this year but the way to make sure is to order now and save money besides.

### Complete Line of Poultry Supplies

We manufacture and sell everything for poultry raising. Special Poultry Rations;  
Poultry Remedies; Lice Killers; Brood Coops; Bone Cutters; Drinking Fountains;  
etc. Let us quote you prices on what you need.

"Poultry For Profit," our 1907 catalog just from the press. 128 pages, handsomely  
illustrated. Correct illustrations and descriptions of all leading varieties of fowls. Full  
descriptions of our entire line of Incubators, Brooders and Supplies. A veritable text-  
book on poultry raising. Send for it today. It's free.

**THE J. W. MILLER COMPANY, Box 374, Freeport, Ill.**

## MUSHROOMS

When you have something that somebody else  
wants and is able and willing to pay well for  
you naturally make a big profit. This is just  
the condition of the mush-  
room trade to-day. The  
regular demand for fresh  
mushrooms is far in excess  
of the supply, and this de-  
mand comes from hotels,  
restaurants, clubs, high-  
class fruit stores, etc., who  
can afford to pay fancy  
prices. To the farmer who  
has a vacant shed or cellar,  
and desires to add a big,  
fat increase to his present

income without interfering with any other work,  
mushroom growing offers exceptional opportuni-  
ties, the capital and time required being so  
limited and the profits so large.

**NOW IS THE TIME TO START**  
Write at once for our beautiful FREE BOOK  
and start this permanent, legitimate and profit-  
able industry. Send 2-cent stamp for postage.  
Visitors welcome at farms.

**VAUGIRARD MUSHROOM CELLARS**  
Box AE 397 Ramsey, N. J.  
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## A SEASONABLE OFFER

**Especially Designed to Meet the Wants  
of Many Readers**

IT IS not often we are able to make such a  
grand proposition as the one below, but we  
are desirous of closing the season with not less  
than 50,000 subscribers, and for that reason we  
are straining every effort to supply the wants  
of everybody. You know all about



and the grand work we are doing in the interest  
of Poultry and Pigeons, and our aim will be  
to even exceed our past efforts during the com-  
ing year. The other paper,

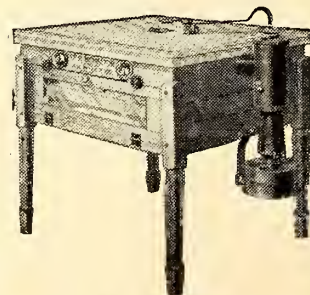


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papers. This goes without saying and no further  
argument is necessary. This is a winning pair  
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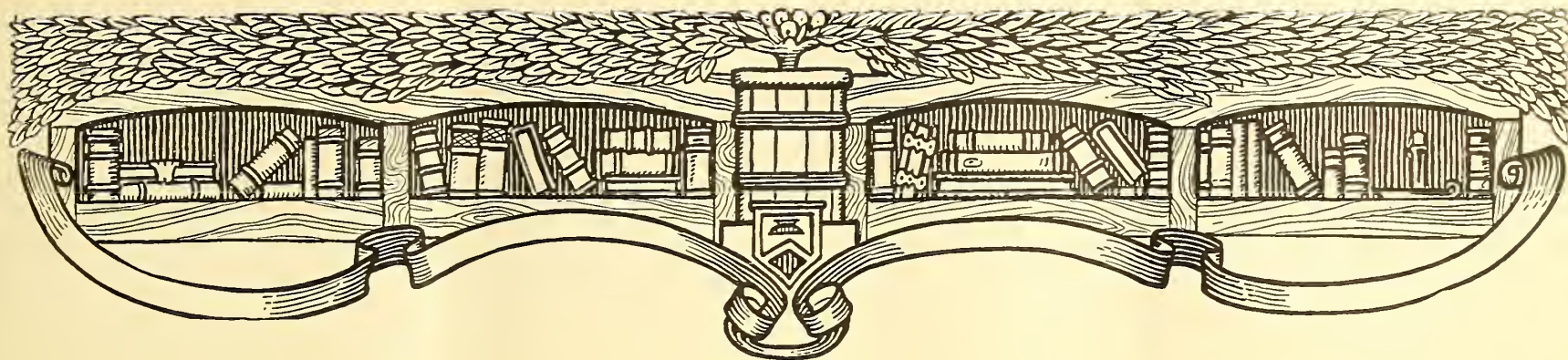
**BOTH PAPERS FOR 50 CENTS**

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## March Issue

# SHOP TALK

## POINTS OF INTEREST

**T**HE MARCH issue was the first of the second year's series of what we have been pleased to term "THE NEW FEATHER." Referring as it does to the new make-up of the magazine, we can point with pride to that issue as well as to the current number. In the March issue there appeared on the front cover-page a lifelike picture of one of the most beautiful Leghorn females of the day. Other illustrations came from Miller Purvis, C. K. Graham, Charles A. Cyphers, and from our own camera. We are always pleased to receive from our readers or friends good photographs that represent any of the principles in poultry growing.

## Our April Issue

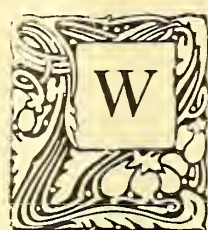
In March we taught a lesson about fruit growing, and the possibilities of reclaiming worn out lands. In this issue we deal with the places where poultry and water-fowls are profitably grown. These two illustrate features in the cultivation of these fowls which will answer many questions sent to us relative as to whether lands unprofitable for cultivation can be turned into profitable possessions through poultry growing.

## Growing Chicks

In March we told of growing chicks artificially. In this issue we present the possibilities of poultry culture through the use of the mother hen. Cultivating poultry, fruit, bees and live stock, can be made a profitable proposition through poultry, fruit, bees and live stock, can be most readily handled through artificial means; lesser numbers may be profitably cared for by either method.

## Future Issues

As stated several times in these columns, the attention of our readers is called to the fact that articles like the one which appeared in the March issue or Barring, Lacing, and Penciling Compared, belong to the series of articles on Science of Breeding. These articles will be continued from month to month, and year to year, until each point of poultry growing relating to standard and utility-bred fowls will be touched upon so far as they come to our attention. All questions sent us relative to features of this kind will be taken up and discussed. The



**W**HEN the warmer days come and summer heat is a factor which receives much consideration, interest in poultry literature seems to fail. We imagine that to a certain degree this may be the fault of the publisher. In an attempt to overcome this listlessness, we have planned a series of articles to be published during June, July and August, which we hope will prove so attractive as to arouse genuine enthusiasm during these months. Lend us your aid in carrying this out, and send us information and photographs that will present features that you yourselves would like to consider during this period. We are anxious to give our readers the particular information they desire. What some know may not be equally well understood by the balance of our readers. For this reason, such features, attractively presented, often create an interest that increases the general distribution of stock during the early fall months. We are anxious to gain an increased subscription list throughout the entire summer. We want to hold the close attention and active interest of all our readers, for we realize that by so doing we will increase the general interest and profit of all who make a business of providing good poultry for others. Among the articles of interest to appear during these months will be an illustrated article on Swan Culture. This will tell of an industry that can be made ornamental, pleasing, and profitable wherever there is a small lake on the property of any one who admires beautiful water-fowl. We hope to have an equally pleasing article dealing with the cultivation of pheasants. These two articles alone will be well worth more than two years' subscription to THE FEATHER. Each issue during these months will contain an article on the Science of Breeding that will assist in the production of better specimens for the fall and winter shows. Join with us in this effort to assist you. Call the attention of all who may be interested in these features to our summer numbers, and assist us in gaining more readers for THE FEATHER. In this way you will help to advance the quality, increase the quantity, and thus gain greater profit.

question of eyes and head points will receive early attention. Following these the growing of fowls for fall exhibitions will be treated. Information of value from foreign lands will be presented whenever we realize that such information will be valuable to our readers. We do not care to bring into our columns features that have no bearing upon home conditions, as we fully realize that the field of successful poultry growing here at home has scarcely been touched in comparison with the underlying possibilities which may be brought out.

## Egg Laying Contests

We hope that the poultrymen of the United States will take hold of and lend their aid in carrying out the two egg-laying contests soon to be undertaken in

this country. One, under the management of Lawrence Warring, will be held at Norfolk, Va. A prize of \$500 in gold will be awarded the pen making the best record. Nearby poultrymen at least should make entries in this contest. Poultrymen all over the United States should be interested in this, and take part. The other contest will be conducted under the management of the Experimental Department of the Rhode Island Agricultural College, located at Kingston, R. I. All who are anxious to have their fowls gain a record in this Rhode Island contest should write to the station at Kingston at once for full information. The poultry expert at Kingston, who so successfully managed the western egg-laying contest, will have charge of the hens during the entire contest.

## What Others Have to Say

"I received the book 'Wyandottes,' with which I am very much pleased. This is a publication which every poultry fancier should have, especially for practical knowledge and breeding to the standard of Wyandottes. I would not take double the price for this volume."—C. L. Everhart.

"I have been very much pleased with The Feather for the past year, especially with the cover page illustrations and the articles on line breeding in the January issue. In fact, the whole January number is full of good things. The whole number shows thought and care, tending to improvement of the publication. Enclosed find 50 cents for which please renew my subscription."—W. P. Jessup.

"Your Wyandotte book by McGrew is fine and well illustrated. I think I will include The Feather in my advertising list."—John A. Cole.

"I must give The Feather my heartiest endorsement. I subscribe for several different poultry journals. Some are good and others are better, but I consider The Feather one of the 'Others.'

"One of your books, Diseases of Poultry, by Dr. Salmon, in its scientific accuracy and every-day lucidity, captured me."—F. Walking.

"You will please find enclosed copy of my ad, to be changed, as I have sold all my S. C. B. Orpingtons and my Columbian Wyandottes that I have to spare this season, through my little advertisement in The Feather. Please continue for March, April, and May."—H. W. Gregory.

"I wish to say in praise of The Feather, that a one dollar advertisement last spring brought me in orders for wild turkeys amounting to over five hundred dollars. Enclosed find copy for my ad."—R. L. Blanton.

"Enclosed find 50 cents for one year's subscription to The Feather. Will say I have been reading different papers for some time, but I have never seen a paper with as much high-class reading in it as there is in The Feather. For information for the man who is experimenting, it is the best."—F. T. Imhof.

"Kindly accept thanks for past space in The Feather. I have gotten more returns from a breeder's card in this paper than I have from display space used in two others. In fact, The Feather brings most of my inquiries. Enclosed find my advertisement for the next four months. Wishing you the compliments of the season."—Wm. P. Palmer.



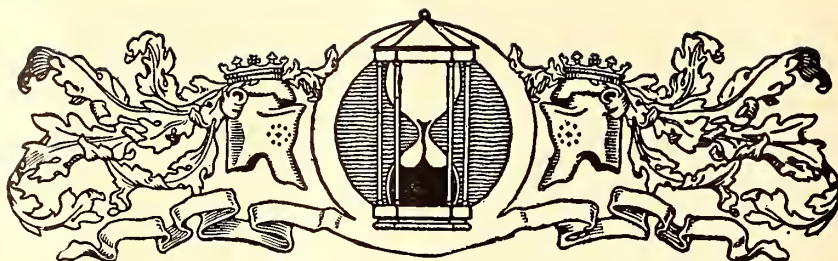
We call attention to "Points of Interest," presented on the page of Shop Talk, which is prepared for the special purpose of adding members to our family of readers. We promise to cater to the interests of our readers in all things that are within the established methods, as shown in the last fourteen issues of THE FEATHER. In return for this, we ask each and every one of you to let us know the points that we might touch upon that would prove beneficial to you. If within the prescribed limits of our publication we will be more than glad to take these matters up. Controversies, contentions, or illustrated arguments will not find space in our columns. Valuable information, instructive experiences and illustrations of possibilities are the features which we believe will mutually interest the greatest number of readers. Telling how to achieve success takes all the space within our paper from cover to cover, leaving none whatever for matters outside of these.

Selecting the new management of the American Poultry Association through letter ballot, has been accomplished as far as nominations are concerned, with the least possible amount of friction. Mr. T. E. Orr, who has filled the position of secretary-treasurer for several years, declined nomination and reelection, believing, as stated by himself, that the organization would prove to be too expensive for the income of the association. In addition to this, Mr. Orr did not feel that he could afford to sacrifice all of his other business interests and give his entire time to the association. Mr. Orr has been a very sick man since the Auburn meeting. The last information received conveys the pleasing news that he is recovering. It is to be hoped that the new organization will grasp the situation and make the American Poultry Association a truly representative business organization.

Some of our contemporaries have given considerable attention to what they claim practical or utility poultry growing. These scribes of the utility school would lead people to believe that standard-bred poultry was naturally antagonistic to utility interests. These worthy utilitarians might ease their restless minds through traveling the roadway of live stock success. Could it have been possible to produce the present-day quality of beef, mutton and pork if grand specimens of Short Horn, Hereford, Angus, and other standard grades of cattle had not been created? The same is true of mutton and pork. The horses of to-day that do the general work could not be possible had not the creators of better than they given us the several breeds from which these horses are the result.

Was there ever a hen capable of producing as many as six dozen eggs in a year prior to the advent of the standard-bred fowls? Would attractive roasters, broilers, and the many different styles and fashions of dressed poultry have been possible without the existence of standard-bred fowls? Has any breed other than some of the standard-bred varieties gained a prominent position in an egg-laying contest? Has any other variety ever attracted attention for having produced one hundred and fifty eggs or over a year? Has there ever been any unusual conditions reached in poultry growing without the use of one or more of these standard-bred varieties?

A writer in The Country Gentleman a short time ago, complained because the awards had been given to clean, beautiful plumaged, attractive specimens. The conclusion to be drawn from the statement was that the complainant had shown some better birds than the winners, but that his had been denied a place in the award lists on account of condition. Any one so careless and slovenly in the care of his fowls as to bring them into the show room so filthy in plumage as to be cut several points for condition, will not succeed, either as an exhibitor, a grower of market poultry, or in the production of eggs for market at a profit. Such



## THE FEATHER

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GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

As long as these are the facts, does it not seem to our readers that urging attention against standard-bred poultry for utility reasons is a fad made for the purpose of attracting attention to those who make the statements?

In the use of the score-card, there is scarcely ever a cut made on shape which is not applied to the imperfection of the specimen along the lines of market poultry. The cut for a deficiency in breast or any portion of the body, is always made because there is a feature lacking that would add value to the specimen in the market stall. There is only one point left for them to raise a contention about, and that is the question of plumage. How ridiculous it would be to permit a fowl that should be true white, and which lacked in color of plumage, to gain supremacy in the exhibition pen. In every flock there will be a sufficient number having the off-colored plumage to fully satisfy the heart's desire of the greatest grumbler along utility lines. If some one of those who claim that standard demands detract from market qualities will present a bill of particulars, setting forth a reasonable charge of this kind, we would be glad to consider same from a rational and truthful standpoint, but as long as the greater portion of these come from disappointed exhibitors in the show room, there is no reason why any one should go beyond the above statements in their consideration.

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complainants as these are scarcely worthy of consideration. When we find the successful exhibitor, the successful grower of broilers, roasters or market poultry of any kind presenting a sensible reason along these lines, they will be given due attention.

Two breeding seasons ago we made the statement that it would be possible to start a fancier with three Brown Leghorns of such quality that would produce in two breeding seasons specimens fit to win in the keenest competition. This experiment having been tried, the results proving our statement, we imagine that some of those who differed with us will be brought to realize some of the possibilities of breeding under proper handling. Hens and pullets from these three birds have won the past winter at Hagerstown, New York, Washington, and elsewhere, against the keenest competition of the world, and under five separate judges. This is the kind of success we try to teach through the columns of THE FEATHER. Large means will purchase a plentiful supply of beautiful exhibition specimens; nothing but the ability to select the parent stock, and subsequent care will bring results such as we have mentioned. This kind of management is what we hope to teach our readers during the coming summer months.

The editor of The Reliable Poultry Journal stated in the March issue of that publication that he should like to be selected as a director for three years of the American Poultry Association, and to be appointed chairman of the Standard Committee. The things one has accomplished should have great weight in selecting one to fill these two positions of trust. The association can feel well assured that the interests of the Standard will be well guarded through such a selection. As president of the association, Mr. Curtis appointed Fred L. Kimmy, Thomas F. Rigg, and T. F. McGrew, as committee for illustrating the Revised Standard of 1910. Mr. McGrew has stated, if individually responsible for the

illustrations in the Standard, he would confine the work to a single illustrator, believing that it is a mistake for any publication of this character to contain illustrations from more than one artist. No matter who the artist may be, we think that he alone should make all the illustrations within the Standard.

Mr. Graham might well be called the artist of THE FEATHER, as he has made the greater portion of all our cover pages, and the illustrations for our new poultry book, and as he is continually at work on illustrations for future issues of our papers and our books, we might naturally be partial toward him. Notwithstanding this, we should advise that not even the illustrations made by Mr. Graham should be continued in the Standard if any other artist provides the greater portion of them. Mr. Graham and Mr. Shilling provided some of the most attractive illustrations in the present Standard, but we cling to the belief that a book like the Standard should have but one illustrator, and that his drawings should be considered as illustrative of the subject and not as an absolute guide for judging.

There are a few other features of public importance to be brought before the American Poultry Association, among them supplying free legal advice to the members of the Poultry Association, and the proposition of holding a winter show by the association and presenting medals. Let it be remembered that the by-laws and constitution prescribes that new breeds or varieties can only be admitted to the Standard after they have been exhibited three years at the annual meeting of the association. The change of the meetings of the association from the show season to midsummer makes it almost impossible to show at these meetings. This seems to be the only well-founded reason for the association going into the poultry show business. Better change the reading of that law than to attempt to hold a poultry exhibit by the association. It would be much better for the executive committee to select one of the prominent shows each winter and present at this meeting the medals suggested as being created for the association, and at that same exhibition the entries for competition for recognition in the future revision of the Standard should be received. Economic and sensible business methods should be rigidly applied to the future business management of this association. There is another feature that should never exist, and that is an attempt to make the association subservient to individual or combined business interests outside of the association itself.

Excuse us, if we smile! One of our readers recently wrote us that THE FEATHER sets the pace. "Look," said he, "at the poultry publications that are having colored pictures, colored covers, and better interiors." Much of this, he believed, could be credited to the fact that THE FEATHER had set the pace. In reply we wish to say to our courteous correspondent that if we receive the substantial aid that we believe should be accorded to a publication like THE FEATHER, we have only begun presenting the good things that we have in store for our readers along the same lines that we have been following for more than a year at least.



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## Columbia Wyandottes



R. C. J. ANDRUSS, of Canandigua, N. Y. is one of the most successful breeders of exhibition poultry and at the same time a good judge. The Doctor is more than interested in the development of the Columbian Wyandottes. The full-page illustration on the cover page represents a pair of his fowls that were photographed by artist Graham. This presents in their true light the now quite popular variety. Dr. Andruss has been a breeder of these for a number of years, having exhibited them at Madison Square Garden, Rochester, and Auburn, in the last two years, winning a great many regular and special prizes.

The Columbian Wyandotte has become quite popular of late. In writing of this

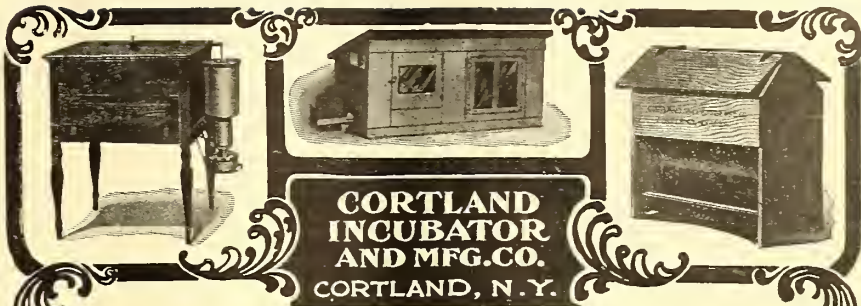


COLUMBIAN WYANDOTTE

variety in reference to a sketch made, artist Sewell states as follows:

"One of the most studious fanciers of to-day is Dr. C. J. Andruss, Canandigua, N. Y., but he does not find enjoyment in studying alone; he likes to produce a variety that is 'in the whirl of competition,' so as to get in where there's something doing. He has been helping to produce the new Columbian Wyandotte, and I am afraid the Doctor will soon have to close his books and say: 'No more eggs for sale,' if we guess right on the season's demand for the 'Ermine' Wyandotte. Dr. Andruss' first cockerel at Rochester is one of the truest shaped Wyandottes of the variety that we have seen this winter, with fine head points; a full level body and broad back, and saddle-hackle up to the best of the time, and finely-laced tail coverts."

In the yards at Canandigua, Dr. Andruss has quite a number of the very best specimens that he has ever produced. The beauty of the Columbian Wyandotte is its true Wyandotte shape and beautiful Light Brahma colored plumage. With these go an attractive yellow beak and shank, the same as possessed by the Brahma. These features are quite easily maintained with this variety of Wyandotte.



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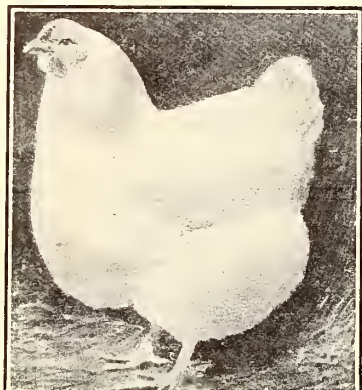
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dottes. The changes to be made in the future are the betterment of the plumage and the improvement of the markings so as to come nearer, if possible, to the present elegance of the Light Brahma.

Some of the winning specimens of the past season have more closely approached these demands than in former years. Those who can go to the large exhibitions and win as the Doctor has, in open competition, prove the quality of their stock. The catalogue recently issued by Dr. Andruss, giving his complete mating list for 1907, can be had by every reader of THE FEATHER, who will make a request directly to the Doctor at Canandigua.

When at Auburn we had a conversation with Dr. Andruss relative to the breeding of this beautiful variety. He stated that he had in mind the establishment of a strain of Columbian Wyandottes that would prove true as breeders, producing males and females of an exhibition quality to the greatest possible degree. One of his purchasers stated that he had one cockerel and two pullets, all three of which had been scored above 93 by Judge McClave, these having been hatched from a single setting of eggs received from the Doctor. When such results can be obtained it proves the producing quality of the strain.

Columbian Wyandottes are undoubtedly the coming fancy. They will be exhibited in large numbers during the next season. The determination of the fanciers of this variety to make them prominent is strongly exemplified in the number of photographic illustrations of them that are being published in every section. The specimens presented in these photographs show the real quality of the birds. They are not the ideal, but represent the retouched photograph showing the true characteristics of the fowl improved by India ink used in the hands of the artist, who photographs the specimen. The photographic presentation shows the shape, the pose and the general make-up of the fowl, improved only so far as it is possible to brighten up and improve the markings and the general finish of the picture. These photographic illustrations are becoming more popular every day, and it makes it possible to show the true fowl in a manner that could not be done by pen and pencil drawings of the individual fowl. The ideal sketch is an educator, while the photographic illustration gives more of a general idea of the individuality of the specimens.

As fowls improve the illustrations improve. As the ideal sketches are improved the standard description must be advanced so as to bring the produced specimens as nearly to the ideal as possible. The photographic illustrations published each season show the improvement in the individual specimens themselves, as well as the improvement in the artist's skill in posing and finishing the illustration.

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If you suspect Roup in your poultry give them immediately in their drinking water the Homeo Cure. Every drink a dose, every dose prevents disease. Equally good for Ducks, Pigeons, Turkeys or Geese. Price 50c a package, postpaid. Send today for 32 page book "Life Saver" Poultry Book FREE.  
**CUGLEY & MULLEN,**  
Dept. 1, 1223 Market Street, Philadelphia, Pa.

## Utility Value of Cross breeds in Poultry



NOTICEABLE point of difference between the poultry keepers of Great Britain and America lies in their attitude toward cross-bred fowls. Crosses are apparently thought less of in America, and on the big poultry farms, whether for eggs or table fowls, full breeds are mainly relied on. We have no big poultry farms, and though pure breeds are largely bred, there is a strong belief that for utility a cross-bred hen is better. That this is so for table use there is no doubt. As all table poultry shows, the best fowls are always in the cross-bred classes, unless a particularly good pair of Dorking cockerels is shown, and the Dorking, as I will show presently, is more profitable to the fattener as a cross. In fact, leaving out all the second-rate poultry marketed in our big towns, about five-sixths of the remainder are cross-bred, either first crosses, the progeny of two pure breeds, or the progeny of cross-bred hens mated with a pure-bred cockerel of some other breed.

In egg-production, the superiority of the cross-bred fowl is not nearly so marked, yet it exists in the minds of many poultry keepers, and for every champion layer among the pure breeds, a cross-bred champion could be produced. It is true, we hear less of them, but that is because at present there is a craze for breeding "laying strains" of pure breeds, and there is money in it. So far is this extending, that in-breeding is frequently resorted to with the result that in many good laying strains the birds are becoming very delicate. Now, a good layer must have perfect health and plenty of vitality, or she is no good as an egg-producer.

But if the breeder has not to worry about keeping to type and color he can cross with another breed, and the result invariably is stronger, healthier chickens. I said earlier breeders of table poultry always cross, for they find the best birds are obtained by this means; the ideal cross, we find, is the Indian Game Dorking. The Dorking is big—there is no bigger breed—and there is no better table breed, but the chicks grow rather slowly. If the Dorking hens are mated with an Indian Game cockerel, the chicks will grow just as big and "dress" just as well, while they will grow faster, enabling the breeder to market them earlier, and the chicks can be raised with a smaller death rate. So well is this known, that the Dorking is almost wholly a priceless fowl; it is not bred for table; that is to say, the amount of pure Dorking chickens sent to market is infinitesimal. The Indian Game is a nice table fowl, and fattens easily; indeed, it fattens itself, needing no cramming, but it is not large, and it is an abominable layer. As a table fowl, it pays best when crossed. Hence, using the two, we get the most profitable table fowl.

Next to the Dorking the best of our pure table breeds is the Buff Orpington; this is a "made" breed, which owes its white shanks and square body to the Dorking; but we have only to compare the pure Buff Orpington with the same breed crossed with another, at table poultry



## LAYING HENS

must be kept in good condition and supplied with not only sufficient food, but above everything, *good feed*. To get the best results from laying hens, that is *plenty of eggs*—one a day and all of good weight—you must give them the proper variety of grain food, something supplying sufficient nitrogenous matter and fed in conjunction with the usual grit. The correct variety of essential grain, something which will make strong, healthy laying hens, will be found in

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THE CORNO MILLS CO.  
Maker of "The Feed That Is All Feed"  
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LIGHT BRAHMAS, WHITE AND BARRED ROCKS, WHITE WYANDOTTES AND LEGHORNS, RHODE ISLAND REDS, WHITE, BUFF, GOLDEN, AND SILVER WYANDOTTES, BUFF, BARRED, WHITE AND BLACK ROCKS, BLACK JAVAS AND MINORCAS, BROWN, BUFF AND WHITE LEGHORNS, LIGHT BRAHMAS.

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**BROWN LEGHORNS**  
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**WHITE WYANDOTTES**  
**BUFF ROCKS**  
**BLACK ORPINGTONS**  
If interested in any of these varieties, write for circular and mating lists.  
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**1907 Giant Strain Light Brahmas 1907**  
"Again Lead All at New York and Boston"

At Madison Square Garden, New York, January 1-5, 1907, on only eleven entries, won 4th cock, 2d, 3d, and 5th cockerel, 1st, 3d, and 4th pullet.  
At Mechanics Hall, Boston, January 15-19, 1907, won 1st and 3d cock, 3d and 5th hen, 1st, 2d, 5th, and 6th cockerel, 1st, 2d, 5th, and 6th pullet, and 1st Exhibition Yard; also the \$100 Cup for best male and the Greenholze Cup, and cash specials for best display and for best cock and four hens, and for best cockerels and four pullets. A grand lot of Brahma Cockerels and Pullets to spare.  
White Wyandottes, Promoter Strain. Fifty large fine Cockerels for sale at a bargain. Write for prices.  
Brahma eggs \$5 per setting.  
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**ROSE COMB R. I. REDS and WHITE PLYMOUTH ROCKS**

which I have bred to lay, win and pay. They won at Hagerstown, Washington, Scranton, Pa. and other leading shows and for LAYERS they are unexcelled.

Eggs per setting \$2.50 and \$5; \$10 per 100.  
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A breeder of White Wyandottes, exclusively, for eight years. Eggs, \$1.50 for 13. Stock all gone.  
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NEW IDEA, NO WASTE  
Prices, \$1.50 and \$1  
Send for circular 3  
For Dry Feed Box, 50c  
For Dry Mash Box, 50c  
I use a \$1.50 Brooder, Plans, 25c  
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Stock and eggs for sale, \$2.50 per 15. Also eggs from the very best Golden Sebright Bantams.  
Box 500. **M. KYLE, Charleston, W. Va.** 12-9

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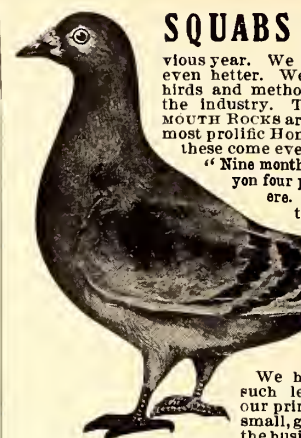
try shows, to see the advantage of crossing; it is crossed with the Dorking, to which it is so near akin; with the Faverolles, the chief French table breed; with the Sussex, another breed with Dorking blood in it, and with the Houdan, a useful table fowl, marred by its dark colored legs. First-class table fowls in Great Britain must have white legs, as well as white skin. This is rather ridiculous, but the fact remains.

The Sussex fowl was mentioned just now. There are really two Sussex, the fowls recognized by the Sussex Club as Red Speckled and Light Sussex, respectively, and the market Sussex, which is bred irrespective of color, the sole aim of the breeder being to get a big, white-skinned, square-bodied, long-breasted fowl, which will grow quickly and fatten easily.

Another excellent cross is the Langshan-Houdan, but both these breeds have dark legs. It is marvelous how crossing improved the table qualities of these two breeds. The Langshan is big but lanky, the Houdan, though smaller, is plump; by crossing we get a fowl as big as the Langshan and as plump as the Houdan. Wyandottes and Rocks are not often crossed for table use, because we have several better breeds, but if a Dorking cock were mated with Wyandotte or Rock hens, the chickens would be of finer quality, would grow faster, and kill heavier birds. Indeed at the last table poultry show I saw a few pairs of very fine crossed Wyandottes and Rocks, infinitely superior to the pure specimens in the two classes recorded for them. If only American poultry keepers would try the effect of a cross, I think they will thank me for the advice.

For egg-production, there is really nothing to beat a Houdan-Leghorn cross, though probably it is not so much employed as formerly, since laying competitions came into fashion. Its great superiority to the Leghorn is acknowledged, while the Houdan never is bred for egg-production in this country. The cockerels are plumper than Leghorns, though not large, and can be sold off at three months old. The pullets mature very quickly; indeed, can be made to lay at four months old, though it is not advisable to hasten the period of productiveness so much; six months is quite soon enough. A Houdan cock should be used with Leghorn hens, and the breeding pen can consist of from seven to twelve of the latter. The chickens are hardy, feather easily, and mature rapidly. They lay a white egg certainly, and of medium size, but if the pullets are not unduly hastened into laying, it is full medium size.

Another good cross is the Houdan-Orpington. Again a Houdan cock should be used, and Buff Orpington hens; for egg-production pullets of this cross stand in the first flight, and for table use, plump, white-fleshed fowls are produced. Our market does not care for black-legged fowls, otherwise the Houdan, which is very white-fleshed and plump, would be more used. In France this breed has given way to the Faverolles, which is large and white-legged. Faverolles are especially hardy, and have been taken up very much in Ireland. It is particularly a cross-bred fowl, compounded of the Houdan, Dorking, and Light Brahma, but we also cross it freely for table, mating it with the Buff Orpington, the Indian Game, and the Dorking.

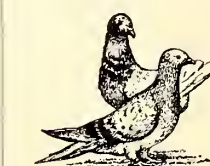


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just hatched from Barred  
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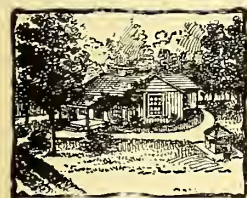
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Every egg guaranteed to hatch. Catalogue Poul-  
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Buys a  
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two miles from the live town of Waverly, on  
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To sum the matter up, we find in  
breeding fowls for table, that increased  
hardihood and size is gained by crossing,  
while as layers cross-breeds are quite  
equal to pure-breeds; that the utility value  
of crossing stands unchallenged.—  
Charles D. Leslie, Cricklewood, London.

## Feeding for Broilers



F BROILERS are wanted,  
separate them from the  
others at about six or eight  
weeks of age. Up to this  
time they have been fed on  
dry chick feed and green  
food twice a day, with an  
addition to their supper of  
eggs and bread-crumbs or  
johnny-cake. Now com-  
mence at their supper to give them a

mash, mixed very dry, composed of equal  
parts of bran, cornmeal and oatmeal,  
mixed dry and crumbly. Let them eat  
all this they will before going to sleep,  
then take away the remainder. Continue  
giving them the chick feed and green  
food during the day, but in about five  
days give them a breakfast of the above  
mash, and five days later give the mash  
three times a day, mixing it fresh for  
each meal. The reason for mixing it  
fresh is that if it is the least sour it will  
cause trouble and cost you perhaps the  
lives of many chicks, and certainly cost  
you much more food, labor and money,  
for you will have to feed a much longer  
time to get them well again.

I would like to explain that sour milk,  
when fed as a clabber, or mixed in the  
mash, does not injure chicks, the acid  
it contains is lactic acid, which does not  
harm them, but when the mash turns sour  
it is a fermentation that injures chickens,  
although it does not hurt hogs.

The broilers should have some heat at  
night if the weather is cold; in fact, it is  
not advisable to make any radical change  
in their quarters nor in the way they are  
housed. Changes are apt to give them a  
set-back, so be careful to make changes  
gradually and carefully. Broilers should  
weigh about a pound and a half, but  
there are now epicures who demand what  
is called "squab broilers," or chickens as  
small as pigeons, weighing only one  
pound; these are either younger chicks,  
or else chicks from smaller breeds, like  
bantams, which are very delicious.

Fryers should weigh two pounds and  
upwards. Roasters, four pounds and up.  
It takes just about three weeks to feed  
the chicks for market with this forcing  
food. This food given three times a day  
with green food twice a day and a little  
chick feed left in the litter to keep them  
busy and amused, is all they need; it will  
make the flesh juicy and delicious.

In England, barley meal and oat meal,  
equal parts mixed with milk, is the fat-  
tening food. In France, buckwheat  
meal, oatmeal and cornmeal.—California  
Cultivator.

## OVERLOOK POULTRY YARDS

The home of Barred Plymouth Rocks. Eggs from  
my prize-winners, \$2.50 per 15. All birds raised  
on free range. I breed for show only. Send for  
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GEO. HUSTED, Bridgeton, N. J.  
12-7

## BARRED PLYMOUTH ROCKS

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PROF. JOHN EVANS & SONS' REMEDIES, FOR  
Roup, Rattling in the Throat, Canker, Chicken  
Pox, Scaly Legs and Frozen Combs, have no equal.  
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bian Wyandotte. Meschantout Park, R. I. 12-12

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BLACK JAVAS, SINGLE-  
combed W. Leghorns. Stock  
scoring from 90 to 94½. 15  
eggs, \$1.50; 100, \$5. Pen  
winners in each yard. Chks.,  
\$1 to \$3 each. Satisfaction  
guaranteed.  
B. M. MERRITT  
Burnt Prairie, Ill.

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from show stock, \$2 per 13. Grand utility birds.  
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cents and 15 cents each. Circular free.

W. H. LANG, Stratham, N. H.  
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MIND that no matter where you are located, if  
thousands of miles divide us, you can not afford to  
undertake the raising of little chicks without feed-  
ing from the very start Eaton's Life Saver Chick  
Food. If your dealer can not furnish, write for  
sample. Eaton Grain & Feed Co., Norwich, N. Y.  
Mention this paper. 12-9

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den, Hagerstown, Md., and Cincinnati, Ohio  
shows. Eggs, \$4 per setting; 2 settings for \$7;  
3 settings for \$10. The run of the pens, \$3 per  
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CHESTER AVE., ALLEGHENY, PA.

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Barred P. Rocks (Park and Conger strain.)

Eggs, \$1.50 per setting; \$5 per 100.  
Satisfaction guaranteed.

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Fifteen Fine Pens from which I will  
sell eggs at \$3 and \$5 per 15.  
Satisfactory hatch guaranteed.

Chas. C. Reid

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Eggs \$2 per 15. S. C. Brown and White Leghorns, \$1.25 per 15. Barred  
Rocks, White Wyandottes, and S. C. Rhode Island Reds, \$1.50 per 15.

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J. E. Miller, Prop.

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Mercersburg, Pa.

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White and Buff Rocks, White and Silver  
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Large Bronze and White Turkeys, Big Toulouse Geese, Embden White and Brown China Geese, Large  
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Eggs for hatching from choicest pen matings. 43 firsts, 2 thirds, 1 fourth, and 1 fifth prize won by our  
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1-5

## ROSE COMB BUFF ORPINGTONS

This is our fourth year to win at Madison  
Square Garden, each year getting a better place.  
For two years we have beat the originators, this  
year we lead all, winning more prize money than  
any of the other six exhibitors. Eggs, from the  
best there is in the world, \$3 and \$5 per setting.  
Send for mating list.

J. W. ANDREWS

L. Box 687

Dover, N. J.  
13-5

## Learn Advertising at Home

Send 10 cents, stamps or silver, for sample  
copy White's Class Advertising. Tells how to ad-  
vertise to reach rural people.

FRANK B. WHITE, Counselor at Advertising.  
At it 17 Years 900 Caxton Bldg., Chicago

## Poultry Magazine,



Monthly, 50 to 100 pages, its writers  
are the most successful Poultrymen  
and women in the United States. It is  
The POULTRY TRIBUNE,  
nicely illustrated, brimful each month  
of information on How to Care for  
Fowls and Make the Most Money with  
them. In fact so good you can't afford  
to be without it. Price 50 cents per year. Send at once  
for free sample and SPECIAL OFFER TO YOU.  
R. R. FISHER, Pub., Box 93, Freeport, Ill.

## LIGHT BRAHMAS

At Philadelphia, 1907, my Light Brahmas  
were awarded first cock, first hen,  
second cockerel 3d do, first and fourth  
Pullets, 2d pen and special for best display  
of Light Brahmas. Birds and eggs for sale.

J. A. ROBERTS

Malvern, Pa.  
12-7

## Lime Rock White Rocks

Two trio's for sale; 1 cockerel and 2 hens; \$5  
per trio. Eggs from pen 1, headed by Lime  
Dick, 1st at Gloversville as cockerel, Nov. 20-25,  
1905. \$3 per 15.

Pen 2, headed by Lime Dick, Jr., 5 at Johns-  
town, at \$2.50 per 15. Other pens, \$2 per 15.  
S. C. W. Leghorn eggs, \$1 per 15.

## EMORY MOYER

RANDALL, N. Y.

12-7

## A Pointer for You

IF YOU are so well pleased with The Feather,  
we are of the opinion that this will interest  
you. Instead of sending in your subscrip-  
tion for one year, why not take advantage of  
this offer, and send us a one dollar bill and get  
your favorite publication for three whole years,  
at the price of two years. You will be glad you  
did so if you are only a little bit interested in  
poultry or pigeons, for each number is brimful  
of new things not to be found anywhere else.  
Each number is a work of art in itself and worth  
the price of subscription. Just send us a dollar,  
and we will put your name on our list for three  
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THE HOWARD PUBLISHING CO.

714 Twelfth St. N. W.

Washington, D. C.

## WHY Don't YOU Build Your Own Incubators and Brooders? Plans Free

Send for them and  
see how easy it is.  
We furnish parts such as Lamp, Tank, Regula-  
tor, Doors, Legs, Hardware, Etc., not possi-  
ble for you to make, at a special low price.  
Eighteen thousand people were interested in  
them last year. No special tools or experience  
required. You'll be surprised how easy it  
is and how much better machines you can  
build than you can buy for same cost.  
We don't ask you to take our word—  
get the plans, they're free for the  
asking—and decide yourself. Catalog  
also describes our Acme Lamp  
and Regulator. Made to fit  
any machine. Combined dam-  
per and flame regulation saves  
half your present operating ex-  
penses. Send for catalog and  
see. It's free including plans.  
H. M. SHEER CO., 120 Hamp St., Quincy, Ill.



## Greystones, Black Minorcas, and White Plymouth Rocks

Made a sweeping win at Madison Square Garden 1905, winning 8 out of a possible 10 first prizes; at Boston, 1906, ahead of all competitors, winning the display special on both varieties; at Madison Square Garden, 1907, just held, White Rocks being the banner class, it being the White Rock Omb meeting, we won 14 points more than the next highest competitors; cup for best 2 cocks, 2 hens, 2 cockerels, 2 pullets, and 2 pens. Best display. Whitest Male, Best Shaped Male, Champion Male, A few grand breeding and show birds for sale. Also eggs from all our winners. Send for mating list.

Greystone Poultry Farms, Yonkers, N. Y. F. H. Davey, Mgr.

## Blanton's BARRED ROCKS and BLACK MINORCAS

AT THE GREAT WASHINGTON SHOW, 1907

Won 1st on Cock, 1st on Pullet, Plymouth Rocks, in strong competition. Also, 4th Pen, 5th Cockerel, all on strictly pullet-bred birds. No Minorcas shown.

A limited number of eggs sold at \$3 per setting. Send in your cash and get the best.

CHAS. L. BLANTON East Falls Church, Va. 12-8

EGGS FROM

## LIGHT BRAHMAS AND BUFF ROCKS

That are the equal of any on earth—have the best for hatching Exhibition Stock. My Fowls win Blue Ribbons, Specials, and Cups at Boston. Eggs, after April 20, \$2.50 per sitting, straight.

JOHN L. KERR Wilton, New Hampshire 12-7

## RHODE ISLAND REDS

Rock House Poultry Farm, Wollaston, Mass.

Winners of 1st prizes, Boston, New York, Philadelphia, Rochester, and Cincinnati

Eggs at \$2.50 per 15 Special Matings at \$6. per 15  
C. M. BRYANT, PROPRIETOR 13-5

## CUMBERLAND POULTRY YARDS

Breeder of White Wyandottes for Ten Years, Will Give You a Square Deal

Eggs for hatching, 1 setting \$3; 2 settings, \$5, or 50 eggs for \$8. We replace any and all unfertile eggs (free) if tested out on the seventh day and returned to us express prepaid.

STOCK FOR SALE  
Dept. A, BRIDGETON, N. J. 12-7

White Plymouth Rocks that win everywhere. They win at State Fairs, World's Fair and Madison Square. State White Plymouth Rock Club Cup, Ivory Soap Cup and any other cup that gets in their way. At the great Washington Show, 1907, won Second Cock, First Hen, First, Third and Fourth Cockerel, First and Fourth Pullet.

Eggs, \$3 and \$5 per setting. Some nice cockerels for sale.

C. C. BURROUGH, Clayton, N. J. 12-7

## KAUYAHOORA FARM THE BEST IN S. C. WHITE LEGHORNS

33 ribbons and and all specials  
at Utica and Frankfort this  
winter. Eggs from special

matings \$2 per 13, \$3 per 30. Incubator eggs \$6 per 100. Mating list free.

G. S. MOORE Box 107, Trenton Falls, N. Y. 12-7



HOAK O. K. LINE  
INCUBATORS, BROODERS, POULTRY SUPPLIES  
Where Quality and Low Prices Count

O. K. and Good Luck incubators hatch where others fail. No cold corners. Easiest regulated. Last longest. Require least fuel and attention. Direct acting regulator. Many features only found in the Hoak construction. 10 years experience. Pure Air Brooders. Testimonials in plenty. Free Catalogue. Write to-day.

HOAK MFG. CO., Dept. 3, Gromwell, Ind. 12-6

## NEW YORK AND BOSTON WINNERS

S. C. Rhode Island Reds Indian Runner and Rouen Ducks

On Indian Runner at New York won 1st duck, 1st drake and 1st pen. At Boston, 1st drake old and young, 1st duck old and young, and 1st pen. At New York on Rouens 3d pen, 5th duck, and 5th drake. At Boston, 2d drake, 2d duck, old and young. On Rhode Island Reds at New York in keenest competition 4th cock and 4th cockerel. At Boston, cock bird highly commended, hen highly commended, cockerel second and V. H. C. in very large classes. We have about fifteen hundred birds to select from. Write for circular, which is free

WHITE BIRCH POULTRY FARM

Box F, Union Street, Bridgewater, Mass.

W. H. Withington, Mgr. 12-7

## February and March Should Be Our Show Months



ASK ANY breeder when eggs hatch the poorest and those in the North will tell you in March, and that fowls hatched in April and May make the most perfect specimens when matured. If this be true, as I affirm that it is, why does not the fraternity time their exhibitions to meet these conditions and have their shows from February to April first? The South might have their exhibitions a month earlier, while the Canadians could have their shows to the very first of April.

The breeders in New England produce their best specimens in the month of May. Why? Because the hens come to maturity late enough to give us the eggs in their first vigor at the time we desire to use them for incubation and the yearlings give us the first three dozen for incubating purposes right after their rest from molting. This is the time in the lives of our females that gives us the most vigorous and the best developed birds, and our finest exhibition specimens.

I would ask any breeder in New England what is their finest lot of cockerels he has in March, and if they are of the American breeds. He will tell you the birds I hatched near the first of May and colonized by themselves. They come to a salacious condition in March when the cold weather has broken, and ready to meet the breeding trade, ready for the men and especially the novice waits till the last moment that he must have them to buy them. But they make a mistake. They should buy a full month before they need them, and let the pullets come to maturity in the company of the male they are to be mated to, if you wish to reap the best results.

The Brahma to be hatched in April takes a full month longer to mature than the American breeds. Now, it costs no more a pound to make chickens whether they be of one breed or of another. The fact that one breed is longer maturing than another cuts no figure. The Leghorn matures the quickest, the American Wyandotte next, the Plymouth Rock next, the Asiatic last, but when at the end of their usefulness they each bring a price in proportion as it took to mature them, and the eggs they all lay cost practically the same per pound. The cry that it is too expensive to keep some breeds is nonsense. You can not produce a hog-head of sugar as cheap as you can a barrelful, but the sugar is sold by the pound. When birds are early, extraordinary early, we must make their profit from the eggs for kitchen uses, for their chicks will not compare with their sisters that have been produced in the regular season of the year, and have come from eggs from the first vigor of their dams' lives. Nature takes care of its own, for May-hatched chicks get their adult plumage after the hot, direct rays of the sun have passed, and such always have the clearest plumage and hold their clean color through the season.

Do you doubt this? If you do, tell us how else the three and three-fourths pound Barred Plymouth Rock pullets won at New York Show, or why it is that in any show where weight is ignored these

**5 YEARS IN SUCCESSION**  
Our Barred Plymouth Rocks have won 1st Pen at the great Brooklyn Fair, Pocket Book Pointers, with mating list free.  
Lambert's Poultry Farm, Apponaug, R. I.

## FLOWER GARDEN SEEDS

Selected List, Varieties Especially Suited for Attractive Yard Gardens and Cut Flower purposes. Good Seeds at popular prices. Price list free.

S. C. PIGGOTT  
DEPT. 8. QUINCY, ILLINOIS. 12-7

## Charcoal

\$2 00 Per 100 Lbs.

Freight Prepaid to Any Station in the U. S.

Six Sizes

No. 1 For Adult Fowl  
No. 2 For Young Chicks  
No. 2½ For Pigeons  
No. 3 For Brooder Chicks  
No. 4-5 For Mash Feeding

Large Consumers and Dealers  
Let Us Quote You on Large Lots, FREIGHT PREPAID  
Samples Sent

Thomas Bros. Co.

Beach and Columbia Ave Philadelphia, Pa. 12-8



## GREIDER'S SUPERB CATALOGUE

of high bred Poultry for 1907 is larger and better than ever. Printed in beautiful colors with 10 striking Natural Color Plates of leading breeds. Illustrates and describes Sixty Varieties of Poultry, Pigeons, Ducks and Geese.

Tells all about practical poultry houses and equipment, how to build them, how to cure diseases, make hens lay and yield good profits. Gives information of decided value to every poultry keeper; Best Lice Destroyer, necessary poultry supplies and prices of breeding stock and eggs which are within reach of all. Book worth far more, but sent postpaid for only 10 cents. Send for it to-day.

B. H. REIDER, Rheems, Pa.



## Buy Poultry Supplies from YOUNG

Everything for the poultry raiser.  
Incubators, Brooders,  
Foods, Tonics, Powders, Wire  
Fences, Leg Bands, Egg Boxes,  
Gape Worm Extractors, Bone Cutters, etc. Instead of sending to one place for an incubator and to another for a bone cutter or a chicken food, buy all your supplies from the one place. It's more convenient, and besides you save money. Let us send you a copy of our Poultry Supply Catalogue. You'll be surprised how much money you can save. We also sell Farm Implements. Don't forget to ask also for a free copy of

### Young's Great Farm Catalogue

It contains everything in the way of farm implements that the farmer or gardener needs; also gives special directions for successful cultivation. Whatever other catalogue you may have been sure you get a copy of Young's.

JOSIAH YOUNG,  
35 Grand Street,  
Troy, N. Y.



## GRIT PAYS

A good grit is needed to keep fowls healthy and productive. Have you not noticed how greedily they pick up bits of stone, glass etc? It's because they need grit to thrive.

**LOPEZ GRIT**  
is superior for all kinds of poultry. Carefully prepared from natural rock. Hard, sharp, grinds until used up. Furnishes mineral elements for digestion and egg-making. Sold in 50 and 100 lb. bags. Sample free. Agents wanted.  
Lopez Sandstone Co., Box H, Wilkes Barre, Pa.



clean, bright-colored underweight specimens run away with the blue ribbons, as we see it at the two largest shows in America.

Have the shows later, when there will be time for these beauties in color, mature in shape and weight, and become clearly entitled to their prizes. Then we will see our fancier more deeply interested and poultry culture double in its volume in America and, as in England, we will see shows eight months of the year and utility poultry and exhibition quality combined in our winning specimens.—I. K. Felch.

## Jamestown Exposition Poultry Show

Editor THE FEATHER, Washington, D. C.

DEAR SIR: Referring to your visit to these offices on yesterday, I am enclosing herewith data in regard to the Entry Fees and Cash Prizes for the Jamestown Exposition Poultry Show.

I have taken pleasure in writing to Mr. Murkin and stating that you would be glad to have him furnish you additional information with reference to his plans, matter, and hoping to have the pleasure of meeting you again at an early date, I am, yours very truly,

JAMES L. FARMER.

The poultry show of the Jamestown Exposition is to be held October 15-25, 1907.

Entry Fees—1. Single specimen cocks, Thanking you for your interest in the hens, cockerels, and pullets, \$1 each. 2. Breeding pens—one male and four females to be made up of young and old birds, or both; \$3 each.

Cash Prizes—Single entries in all varieties: (a.) Eight entries in class: 1st, \$3; 2d, \$2; 3d, \$1; 4th, 50 cents. (b) Four entries in class: 1st, \$2; 2d, \$1; 3d, 50 cents. (c.) Two entries in class: 1st, \$1; 2d, 50 cents. 2. Breeding pens: (a.) Four entries in class. 1st, \$4; 2d, \$2.50; 3d, \$1.50. (b) Two entries in class: 1st, \$3; 2d, \$1.50.

## Standard-bred Fowls

It is gratifying to know that there is less common-bred poultry grown every year, yet it is discouraging to know that less than twenty-five per cent. of all poultry grown is as good as it should be. Well-selected, standard-bred fowls kept true to their kind and properly cared for will return double the profit to the owner that can possibly be made from common-bred stock. The difference is about this: True bred, Standard-bred poultry will each produce from one hundred and twenty to one hundred and fifty or more eggs a year, while the cross-bred or barnyard fowls will produce from sixty to ninety eggs per year. The latter will eat as much, cost as much in housing, care, and attention, as the others. The difference between the number of eggs produced more than doubles the profit of their keeping. Why any one should continue to keep the common kinds is a problem we are not able to solve, yet we hope that the time will come that people will know better and differently, and make more money from poultry keeping.

"Enclosed find check for insertion of the enclosed ad. I have secured better results from my small classified ad in The Feather than from any other paper that I have used."—E. C. Purdy.

**Don't Be a Fool**

**White Wyandottes  
Leghorns**

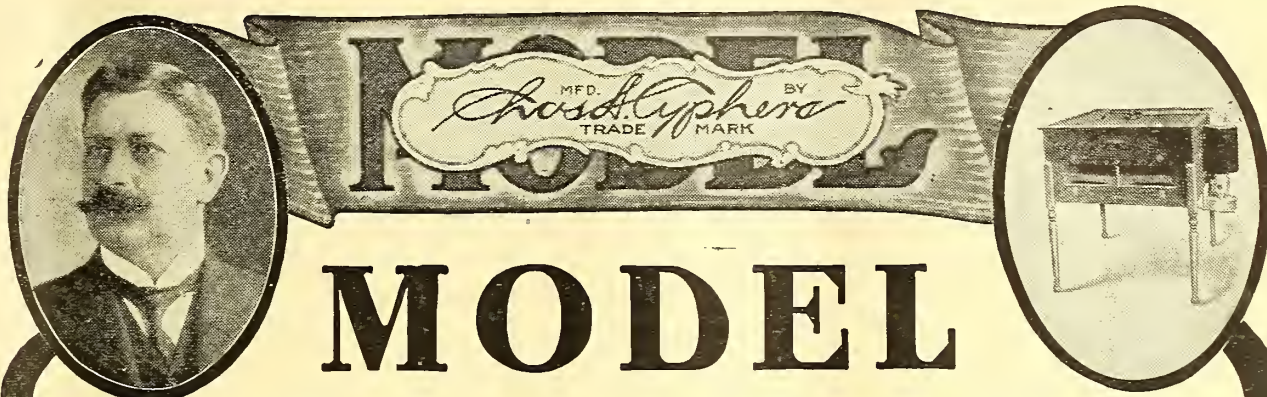
Send for Catalogue

and think you will save money by buying cheap eggs for setting. GET THE BEST and you will never regret it.

During February (only 28 days) 88 of my exhibition pullets laid 1,318 eggs. Pens headed by FIRST PRIZE COCK BIRDS at Hagerstown, Rutherford, Trenton, Poughkeepsie, and Fourth Prize Pen at Madison Square.

ST. ANDREW POULTRY YARDS

Elizabeth, N. J. 12-7



## MODEL Incubators and Brooders.

Hatch every hatchable chick, and rear them. If you are lamenting the eggs wasted in the imitation hatcher which you bought earlier, remember that the season is at its height and you still have time to put in the Model equipment and turn your failure into success. Already every mail is bringing the usual reports of good results from satisfied owners of the Model equipment.

Crystal Spring Duck Farm, Oil City, Pa., March 9, 1907.

Mr. Chas. A. Cyphers, Dear Sir:—We are using ninety-two of your Model Incubators with the greatest satisfaction. They are hatching equally well on both duck and chicken eggs, giving us a duckling or chick from every hatchable egg. We never before secured such large hatches so early in the season as we are now getting from the Model, and we will easily get out 75,000 ducklings this year, in addition to several thousand chickens.

After hatching with your machines for three years, we are well satisfied that the Model Incubator is the best we have used, as it is more accurate in temperature, hatches a larger percentage and more vigorous chickens and ducks, and the workmanship on the machine is superior. It is easier to clean and care for than other incubators, and requires less attention in operating it.

Very truly yours, P. McEvoy, Manager.

Send in your order at once and I will make prompt shipment. The Model will hatch the eggs, and when you see the chicks popping out it will put new vim in your work. The Model will spell success for you, as it will hatch every hatchable egg.

And those chicken-killers that were sold you for brooders, and in which you are losing 50 per cent of your chicks. The Model Brooders will raise 95 per cent for you, and without taking much of your time. At the Model Farm last spring we raised 12,000 chicks in the Model Colony Brooders. We have 30,000 in winter quarters now, and we are putting 60,000 baby chicks in Model Colony Brooders because they raise a chick that grows into a profitable layer.

Note:—My clients are doing equally well.

"Last year placed in the Model Brooder 52 chicks in March; had 10 below zero; raised 51.

Thos. D. Pashley, Schenectady, N. Y.

"I consider your Model Colony Brooder the best on my plant. In March we had the worst storm of snow and high winds of the winter, and I had a brood of chicks out in your brooder in this storm and it carried them through nicely.

T. F. Fitzpatrick, Wantagh, N. Y.

"I had excellent success with the Incubators and Brooders purchased from you a few months ago. The brooders have raised every one of the 92 chicks placed in them. Chas. A. Cyphers' machines are the best I have ever used.

A. H. Chapin, Brownwood, Tex.

"I cannot say enough in praise of your brooder. It is simply perfect. I never had as good success and so little trouble. I raised all my chicks.

E. J. Listul, Ashland, Wis.

"Your Colony Brooders have given complete satisfaction. Last year I raised 71 out of 72 put in my brooder."

R. N. Mullikin, Baltimore, Md.

"I am very much pleased with your brooders. I never saw chickens grow so fast under other conditions."

Mrs. Franc M. Wells, Fillmore, N. Y.

"I am operating 10 of your large machines and 24 Colony Brooders. Have had the brooders full of chickens and running this cold wave without any protection whatever. I cannot recommend them too highly."

J. W. Warren, Northboro, Mass.

The Model Equipment will do just as well for you. It will make a success of your poultry work this year. Send in your order now and I will make prompt shipment.

CHAS. A. CYPHERS

316, Henry St. Buffalo, N. Y.



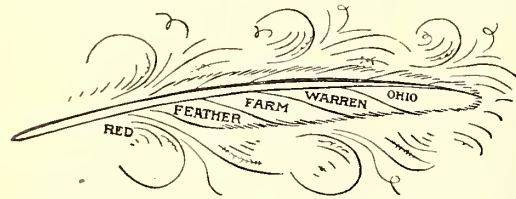
## GEM POULTRY FARM

Gem Strain White Wyandottes and White Rocks

Special offerings in cockerels and pullets. Do you want to see the birds before you pay for them; if so, write me your wants. Eggs, \$2.50 per 15, now ready.

R. N. MILLER, Box F, RED LION, PA.

12-7



### Best Buckeyes in the World

40 scored from 90 to 95 by Orr and Sites Mated for the 1907 Egg Trade. Get the best from the Originator

Mrs. Frank Metcalf

Red Feather Farm Warren, Ohio  
Circular and Club Booklet Free if

## EDGEWOOD FARM

GEORGE B. INCHES, Proprietor

SILVER GREY DORKINGS COLORED DORKINGS  
ROSE COMB BROWN LEGHORNS

NELSON VAUNDELL, Jr., Poultry Manager, North Grafton, Mass, U. S. A.

13-4

## LISK'S WHITE WYANDOTTES

made a clean sweep at the great A. P. A. Show held at Auburn, N. Y., January 7 12, 1907, winning on 10 entries all firsts, 2 seconds, 2 thirds, 1 fourth, and 20 specials, including the National White Wyandotte Club Silver Cup, and the Ivory Soap Cup for whitest bird in the show. My birds are of that nice blocky pure white type and great layers

Eggs, from the same pens I use from, \$3 per 15; \$15 per 100

Some nice cockerels for sale.

FRED C. LISK, Box D, Romulus, N. Y.

12-8

### 3 Single-combed Brown Leghorn Exhibition Males for Sale

One cockerel headed first pen at Hagerstown. One headed first pen at Washington. The other was in my New York pen. Any of these \$15. Eggs from our famous-winning pullet strain of Brown Leghorns. Write for particulars.

1104 Sixth St. N. W. PITCHLYNN'S YARDS Washington, D. C.

12-7

## Nettleton's Light Brahmas

are the result of years of careful breeding which enables them to produce birds of exceptional merit. At the great and only Madison Square Garden Show just passed, in competition with nine exhibitors, my birds won three 2ds on 4 entries. I also furnished 1st cock, 4th hen.

C. P. NETTLETON Box L, SHELTON, CONN

12-10

## 50c Buys Directions to BREAK BROODY HENS

of the nests in two days. Many will be laying again the second day. Fifty cents buys directions to make roosts that will have no lice thereupon to annoy the hens. One Dollar buys directions to make brooders that will raise all the chicks without any expense to heat or build.

Box 35, R. D. No. 1

SEATON CO.

BUTLER, PA.

13-2

## DEFANDORF'S WHITE ROCKS

are winners always and thoroughly practical birds as well. He has bred them for thirteen years and they are better this year than ever. His latest winnings are 1st, 3d, 4th cock, 2d, 5th ckl., 2d pullets, 4th hen, 1st, 2d pen, Washington, D. C., January, 1907. 1st ckl., 1st pullets, 2d cock, 4th hen from four entries, Pittsburgh, Pa. First ckl. Cincinnati 1906 in a class of 57, and First Pen Cock in Washington, 1907. Exhibition and Breeding Birds at reasonable prices.

Eggs--\$5 and \$3 per 15

12-8

J. F. Defandorf, Garrett Park, Md.

## "FAULTLESS" HOUDANS

PEDIGREE BRED FROM TRAP-NEST RECORDS FOR SEVENTEEN YEARS. STOCK AND GUARANTEED EGGS

E. F. McAVOY, Jr., Schenectady, N. Y.

Sec. Nat. Houdan Club.

13-5

## PARTRIDGE WYANDOTTES

The handsomest and best variety. My strain has won this season:

Scranton, Pa.—1st and 5th cocks, 3d hen, 1st and 5th cockerels; 1st and 5th pullets and special. Philadelphia, Pa.—1st and 2d cocks, 2d and 3d hens, 2d and 4th cockerels, 2d and 3d pullets, 1st pen. Special cup for best display.

Partridge Wyandotte Club.—Best pen, best shaped male and female. Best colored female.

Stock and eggs for sale. (Circular.)

A. P. GROVES, Chestnut Hill, PHILADELPHIA, PA.

12-8

## The American Poultry Association

At the annual election of the American Poultry Association for the nomination of candidates for office, the following vote was cast:

Vote for President: C. M. Bryant received 289, M. S. Gardner 3, H. V. Crawford 3, Geo. G. Bates 2, Grant M. Curtis 17.

Vote for First Vice-president: T. E. Orr received 284, T. F. McGrew, 3, H. B. Donovan 2, Chas. McClave 2, Theo. Hewes 2.

Vote for Second Vice-president: Miller Purvis received 271, T. F. Rigg 4, W. S. Russell 3, Geo. G. Bates 2, Geo. D. Holden 2.

Vote for Secretary-Treasurer: Geo. H. Burgott received 64, Ross C. H. Hallock 88, W. S. Russell 148, M. S. Gardner 4, T. E. Orr 4.

Vote for Member Executive Board, three years: Grant M. Curtis received 251, Theo. Hewes 243, H. B. Donovan 90, Wm. McNeil 159, Henry Steinmesch 25, T. F. McGrew 22, G. D. Holden 41, H. V. Crawford 23, R. E. Jones 8, Richard Oke 5, Thos. Rigg 4, G. R. Hoswell 4, C. M. Bryant 6, W. S. Russell 6, Geo. G. Bates 3.

Vote for Member Executive Board, two years: H. V. Crawford received 121, S. T. Campbell 125, Henry Berrar 125, Elmer Dixon 129, Geo. D. Holden 121, Theo. Hewes 22, Henry Steinmesch 10, T. F. McGrew 16, Wm. McNeil 13, Reese V. Hicks 13, D. A. Nichols 9, O. E. Miles 7, Chas. McClave 5, H. B. Donovan 5, Geo. O. Brown 4.

Vote for Member Executive Board, one year: T. F. McGrew received 213, W. S. Russell 72, Reese V. Hicks 219, Grant M. Curtis 17, Richard Oke 20, Geo. S. Barnes 44, Henry Steinmesch 137, Henry Berrar 13, R. E. Jones 14, S. T. Campbell 13, Ross C. H. Hallock 8, H. B. Donovan 9, Geo. D. Holden, 12, Theo. Hewes 9, Wm. McNeil 7.

Vote for Place of Meeting next three years: Niagara Falls received 145, Cleveland 55, Chicago 21, Ithaca 11, New York City 11.

Vote for Time of Next Meeting: August 15 received 40, August 14, 42; second week 11, third week 10, last week in August 7.

## Spring Care of Poultry

The cold days of winter have gone, the snow and ice has cleared away, the poultry have been ushered into spring, perhaps in a debilitated condition. Proper feed is just as necessary at this time as during the winter months. Plenty of grain, plenty of green food, grit and outdoor exercise is of the greatest necessity. Too much change in diet may lead to disorders. The over-abundance of bugs, worms and green food may cause looseness of the bowels. Feed less mash food, more wheat, oats, charcoal and grit, and keep the poultry houses in the best sanitary conditions. These simple treatments is all that is needed. Do not be induced to feed tonics, condiments or forcing foods of any kind at this season of the year. Nature provides the best kind of food for poultry in the Spring. The only needed addition to these is a proper grain ration and sensible care.

**STANDARD BRED POULTRY** White Wyandottes, S. C. W. Leghorns, R. I. Reds, Banded Rocks and Mammoth Bronze Turkeys. Utility and exhibition matings; highest quality; lowest prices; eggs for hatching a specialty. Stock for sale. Satisfaction guaranteed; catalogue free. Bull Terrier pups for sale.

## FAIRVIEW FARM

Box 2, Shrewsbury, Pa.

13-3

WE ARE THE LARGEST MANUFACTURERS OF

Coops  
Egg Boxes  
Chick Boxes  
Egg Cases

Cooping Department  
HOFFMAN POULTRY SUPPLY CO.  
Waverly, Ala.

12-10

## "Natural and Artificial Duck Culture"

By James Rankin, South Easton, Mass.

Fifth edition of our book, "Natural and Artificial Duck Culture," enlarged, revised and illustrated, describing the growth and management of the little birds, from the time they leave the incubator until they reach the market.

It includes food formulas to meet the different stages of growth, also the construction of buildings and management and care of incubators during the process of incubation, as well as our experience for the past thirty years in the business. Mailed to any address, on receipt of 50 cents.

JAMES RANKIN, So. Easton, Mass.

12-8

## SQUAB RAISING SEAMLESS BANDED ANTWERP HOMERS

are the best Squab Breeders. Seamless Bands can not be altered or removed without destroying either the band or the bird; they identify each bird by number and show date when hatched. Young Birds are profitable, old ones an expense. Seamless banded Antwerp Homers, one to three years old, five pairs, \$10; ten pairs, \$18; fifty pairs, \$80; prices quoted on large orders. Aged or unbanded birds half price. All charges paid aboard express New York. Safe delivery guaranteed; deaths in transit replaced on return of bands. Orders placed with your express agent will be forwarded through express company's foreign department at my expense, or remit by money order.

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The finest flavored table fowl in existence. Largest and best flock of this variety in America, as indicated by our winnings at St. Louis, New York, Boston, and Chicago. Eggs from our famous prize winners, \$5 per 15; from utility matings, \$3 per 15; \$20 per 100. A limited number of choice breeders for sale.

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Huntington, L. I., N. Y. 12-8

## World's Greatest Layers!

America's Best "Utility and Beauty" Strain.

## Barred Plymouth Rocks.

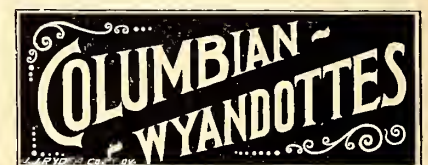
The strain that has won recognition on its merits and has grown in demand by leaps and bounds, possessing the finest reproducing blood in the country, that has been built up by years of careful and proper selection.

Bred since 1896 for vigorous constitutions that can stand the strain and produce the greatest number of large, brown eggs and also win you the highest "honors" in the "Show Room," as letters from my patrons prove. Eggs for hatching, \$2 for 15; \$5 per 45. Satisfaction guaranteed. Circular

D. D. MARVELL

Woodbury Heights, N. J.

12-7



Pullets, Cockerels and Yearling Hens, bred from our Prize Winners. If you want good birds at reasonable prices, write your wants. Eggs, \$3 and \$5 for 15. Day-old chicks, 30 cents each. Order early. Send for circular of winnings.

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## Where Poultry Is Grown



LAST June THE FEATHER contained an article telling how to beautify the homes of those anxious to grow poultry on their own village lots. In the March issue we told, under the title Poultry and Fruit, how to best make profitable the orchards and other portions of the farm. We now give our readers the advantage of familiarizing themselves with some of the localities where poultry is grown.

We of America have not, up to the present time, been forced by necessity to the realization of the fact that permitting weeds or waste herbage of any kind to grow upon the land is simply robbing it of its fertility. Nothing is better for the maintenance of the fertile qualities of the land than growing clover and valuable food grasses. To add to the value hogs and sheep may be pastured thereupon. These as they eat and grow to marketable size return to the soil an equivalent greater than they have taken therefrom. This is also true of all kinds of poultry. Wherever poultry is grown in considerable numbers and allowed to range over the lands of this kind, they add to the fertility of the soil without taking away nearly as much as do the four-footed animals above mentioned.

Mr. Rankin, of Massachusetts, reclaimed many hundred acres of land and brought them to an almost unheard-of fertility by growing dry-land ducklings in extended brooder houses, which were gradually moved across the entire farm. In Connecticut fruit farms are kept free from bugs, worms, and insect destroyers by making a run for Leghorn hens out of the orchard. By the hens hunting and digging over the run, the soil is enriched and the fruit crop much improved. One of the illustrations in our March issue presented a thrifty fruit farm conducted in this manner.

Our illustration showing where many Wyandottes are grown presents a study for those who make a practise of growing poultry. This field

is hidden away behind the barn, and is a piece of not over thrifty land, as indicated by the green growth upon it. This piece of ground furnishes a wide range, plenty of green food, bugs and worms, and shade from the direct rays of the sun when it is needed. Upon such pieces of land throughout the country are grown large numbers of poultry. In England, a few sheep and a brood of young pigs would undoubtedly be kept upon the same piece of ground. The hogs would be permitted to root and dig in the soil; the sheep would eat up and destroy all undesirable weeds or shrubs; the poultry would wander over the

farm. Any method whatever that will destroy and purge the land of daisies, thistles, and weeds of any kind adds value to it and helps to make the owner richer. Where lands are badly handled and weeds gain the upper hand, poor crops and mortgages are likely to follow.

In marked contrast to this is the healthful poultry range in England. One field is separated from the other by a well-cared-for hedge, on the one side of which has been grown the grain crop of the season. Among the alfalfa, ranges the growing fowls. Not a weed, a daisy, a thistle, a stump, or a stone, is permitted to litter the place. Every inch of soil upon the entire estate is kept free and clean from everything which might detract from the fertile value of the soil. Everything that might possibly be done to enrich the land is carefully considered and applied in the best possible manner.

A much traveled person of great agricultural experience told us not more than sixty days ago that the rural districts of England seemed to be sparsely populated from the fact that nearly all the homes of the ruralists are gathered together in small villages; that these villages and adjacent farms receive most as much care as some attractive homes in the suburbs of American cities. No weeds or any unmarkatable product are allowed to grow throughout the rural districts of that country. This our illustration would indicate to a very considerable extent.

Other beautiful localities may be found where cattle and poultry are successfully and profitably grown. Among our illustrations we have one showing a thoroughbred milk cow in social relations with a mother hen and her brood beneath the shadows of the little grove, which furnishes protection from rain and snow for both of them. In such localities live stock of all kinds are successfully grown. Usually where such quality of stock is seen, there will always be found valuable crops, large grain yield, and thrift. In connection with this, it may well be said that there can not be anything more thrifty in the poultry



AN AMERICAN RUNWAY FOR COCKERELS

entire range, gathering up the seeds, worms and bugs, and adding a certain per cent. of fertilizer to the soil. Following this the land would be made to yield a crop of wheat or oats after being thoroughly covered with manure from the barn. Grass seed and clover would be sown with the grain. As soon as the grain was harvested the young growing flocks of poultry would be again allowed to range over the field so that they might gather the waste grain and undesirable seeds. This would be the proper method of handling and enrichening the lands of any





A HEALTHFUL POULTRY RANGE IN ENGLAND

line than the broods that are mothered by hens out against the shadow of a wood lot or beneath the stalks of the cornfield.

Professor Graham, of the Ontario Agricultural College, told us recently that during last season they hatched and placed in broods with mother hens over two hundred young chicks; that these were placed in colony coops in the center of a large cornfield. No water and but little grain was served to them, and they were permitted to grow in a semi-wild condition. There was plenty of insect life of all kinds beneath the corn; adjacent to this a recently-harvested grain field. Between these the growing stock gained their own living with not to exceed one feed, usually of corn, per day. These were the most thrifty of all grown at the Ontario farm the past season. Some of them found their way into the exhibition hall of both Canada and America during the past winter as successful competitors for the honors.

One of the main causes of lack of fertility in much of our stock, we imagine, can be traced to the pampered methods of growing. This semi-wild, hustle-for-a-living method proved satisfactory to Mr. Graham that health and vigor could be greatly improved in this way, and also the plumage of the fowls.

Do not imagine from the above statement that these growing fowls lived without water. Rain-falls make water pools in cornfields and upon lands. Rainfall and dew fill the openings in the corn shucks between the leaves and the main stalk. The necessity of searching for food and water adds to the vitality and the vigor of all kinds of live stock. The proof of a sufficient food and water supply for these two hundred growing fowls may be found in the fact that they grew faster, matured quicker, and made a more healthy growth of form and feather than did the others kept nearer home, which were more tenderly cared for. We do not mean by this that mother hens with broods can be turned upon barren waste lands and do well. If turned to care for themselves under conditions above described, either close to a wood lot on the edge of a cornfield, as described herein, or beneath the shade of the growing corn stalks and recently-harvested field. They must prosper. Conditions must be right for this, and these conditions we illustrate for your consideration.

Another most desirable locality for growing poultry is adjacent to a vineyard or a patch of currant or gooseberry bushes from which the fruit has been gathered. In our illustration of Brahmas, grown in the vineyard, we show a flock of partly-matured Brahmas which have been gathered from the outruns and brought to the enclosures of the vineyard. The crops having

been marketed, large numbers of fowls are permitted to roam during the late summer and early fall months over the entire range of the vineyard gathering in the worms and bugs which might prove injurious through their offsprings the next year. Here they grow almost as thrifty as those in the cornfields, and ranging as they do over a large expanse of territory gathering in the seeds, bugs, and worms beneath the vines, they not only add to their own value, but increase the possibilities of the crops the following year. All of these conditions should be taken into



BRAHMAS GROWN IN A VINEYARD

consideration and well understood by the growers of poultry. Large numbers of fowls might destroy a grape crop when the fruit is ripening and ready to market. As soon, however, as the crop has been gathered the value of their presence beneath the vines can scarcely be overestimated. We have visited several vineyards and orchards in New Jersey, where large numbers of poultry are ranged after the gathering of the crop. The waste fruit, the myriads of insects and quantities of seeds of all kinds usually found in such localities, force the young stock to a quicker growth, bringing them to prime market condition with but little feed in these localities prior to the time of snow and frost. The careful study of all these conditions makes possible the profitable use of every inch of ground upon an estate either large or small. Good fencing, careful tillage, and the possession of as much live stock as can be cared for is the most valuable and profitable method of handling land.

In contrast with the attractive villages mentioned above, the illustration of the runaway for cockerels shows neglect by permitting non-producing shrubbery to grow. The trees visible in this picture might better be apple, cherry, and pear trees, with the small shrubbery exchanged for the Japanese plum or grafted pear trees. Nothing should be allowed to grow that does not yield fruit or beautify the premises. Blossoming trees, vines, and shrubbery add to the beauty of any locality. All kinds of fruit trees can be grown quite

as easily as the elder and pokeberry or sumach. The last-mentioned robs the soil of its value and gives no return for its keep. In their place might well be cultivated some of the many kinds of fruit trees which give good return for care and attention, furnish the best of shelter for the growing stock, and present a thrifty and pleasing appearance to the passer-by. What can be more attractive than a neat, well-kept place? What more profitable than money return from the soil for everything grown thereupon?

In contrast with this is the tail-piece which shows the unpretentious home surrounded with fruit-producing vines, bushes, and trees of many kinds, which seem to be cared for, having in view the improvement of every condition in life by gaining from the soil a return for the attention given to it.

There seems to be among these the currant, the gooseberry, the grapevine, the cherry tree, the pear and the apple, and outside of the enclosure, protecting this, the clover field, upon which the growing poultry is ranged. These examples presented from existing facts should encourage the careful following up of the poultry business for profit. Whenever one hears the too-often-repeated claim of not having fresh-laid eggs in winter, early hatched chicks, or profitable return from market poultry, one can promptly reply without hesitation that the cause for the same lies in bad management, for we all know that there are thousands of fresh-laid eggs sent to market every winter, and many tons of the best market poultry grown. If this can be accomplished by one, it can be by all. Thrifty management, careful calculation, making every turn of the plow, spade, or harrow, count; looking after every feature of management brings these profitable results. Careless, negligent methods bring quite the reverse.

In the State of Pennsylvania, within a radius of fifty miles, may be found numerous plants of many kinds for growing poultry. Many of these succeed, others fail to produce equally profitable results, all of which can be attributed to the management. At Glenolden, Pa., within the limits of a thrifty little village is located a poultry farm for the production of eggs for market and for the production of young chicks. Several thousand laying hens have been bred to an average of producing fully one hundred and fifty eggs each year per hen. The fertility of these eggs is reported by the owner to be over 70



A PLANT WHERE MANY WYANDOTTES ARE GROWN

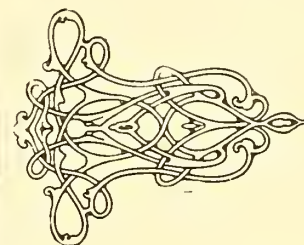
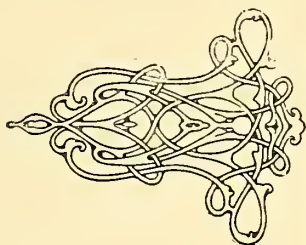


per cent. of living chicks from the eggs during the winter; all of which shows that the application of careful management may bring over four thousand laying hens to the average of one hundred and fifty eggs per hen, and these hens so fed, cared for, and mated, as to produce 70 per cent. of living chicks from their eggs. This, in contrast with others having but a hundred or two to care for, gaining so few eggs on the average from the hens as not to pay for their keep, and getting a low per cent. of hatchable eggs. If one can be handling large numbers to gain such good results, what must be the conclu-

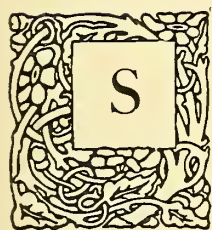
sion as to the reason for failure with a few? Blame it not upon the hens, but shoulder the responsibility, study the methods for success, and follow them.

By presenting and illustrating all these localities, and gathering together and showing what others are doing, we hope to so advance poultry keeping among our readers as to double their profits and to help many thousands add to their home comforts and increase their income. There is no question under the sun to well presented and so little understood as poultry growing, if results are to be considered. Listeners and

readers seem to absorb that which they read and hear and go away and seemingly attempt to discard the teachings of experience and attempt new methods. Keeping and caring for poultry is among the simplest of all live stock propositions, yet many who should be most successful fail, while, on the other hand, those whom we might imagine would fail, succeed beyond all expectations, proving, as it does, that proper management brings success, while carelessness and thriftiness bring failure. Success in poultry growing is the reward that comes from sensible management, failure the result of thriftlessness.



## Rearing Pheasants and Partridges



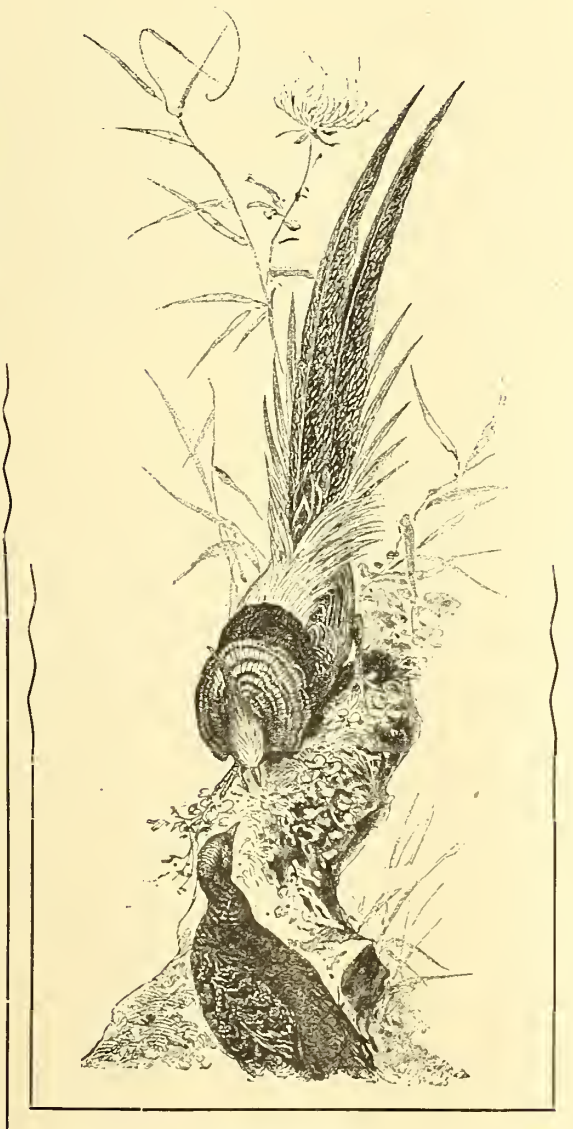
SOME months ago we received a request for information relative to rearing partridges. Not being familiar with the care necessary for their welfare, we have watched for an article on this subject which might gratify the longing of those anxious to keep part-

ridges in confinement. From a recent issue of Poultry, England, we take the following from the pen of H. I., one of the contributors to that journal:

"Tame pheasants should be kept in mews, or laying places, each containing a cock and three hens. They should be eighteen feet long by ten wide, enclosed with hurdles made of oak lath, or other wood seven feet high, and the laths three-quarters of an inch apart. They should be fastened to strong poles driven into the ground. Pheasants require no covering overhead of any sort; they need no shelter; and as their wings are cut they can not fly out. If there are bushes in the pens, so much the better; if not a felled fir tree may be laid down, and a little hollow made beneath it, which should be filled with dry sand, as the hens will lay there.

"Their eggs should be carefully gathered as fast as they are laid, otherwise, for the love of mischief, the birds will often peck them, and, having tasted, they will become confirmed egg-eaters. But, as it often happens that the eggs are eaten for the sake of the shell, therewith to form that of the egg about to be laid, it will often be prevented if the pen is provided with a heap of shell-forming material in one corner. Pheasants must be well supplied with water, and fed on the best barley.

"A moderate-sized hen will cover fifteen eggs; three or more hens should be set at the same time. They must have a quiet, sheltered place, exposed neither to wind, wet, nor broiling sun. I will now detail an operation which requires some practise, but which can be acquired. After



GOLDEN PHEASANT

five days good sitting the poults are beginning to form in the eggs. Stand in a sheltered, darkish place, where you have the sun in front of you, take each egg in your hand, place it at one end, and close the hand so as to form a sort of telescope case; hold it then to the sun, and apply the eye close to it; if the poult is forming, it will be easily discernible, while if the egg is bad there is no dark streak visible. This should be done when the sun is at its height. The infertile eggs should be taken away, and all the nests made up full by removing from others. By this means one nest may be emptied to make up the others, and the hen thus robbed can be put on a fresh batch.

"When the eggs are hatched, a sunny spot on grass should be chosen. The hen should be put in her coop, and a space about three or four feet long by two wide should be fenced in with boards, fastened by pegs to the earth. This should be covered with netting and the poults may remain in three or four days, or if not strong, for a week. Their food should be curd, chopped egg, a little bread and milk, and a little meal mixed with milk.

"They may afterward be put out with the hen in the same way as chickens, but they must be on the grass. They must be fed very often, and have a little at a time, and be constantly supplied with water. A few ants' eggs every day assists them much. When the poults come off strong the little enclosure used at first may be dispensed with.

"At about six weeks old, the hen needs her coop only at night; she may be tethered in a field to a peg. A string a yard long is fastened to a flat strap of leather; this has a slit cut in it; it is put on the leg of the hen, and the string being passed through the opening, it forms a flat strap around the leg incapable of inflicting injury. At night the coop is brought, and the hen is put under it, her poults join her, and it is closed for the night. It involves the necessity of very early rising; but it is always safe to shut



them in; it must not, however, be done unless they can be liberated by four o'clock.

"Although sun is essential to their growth and well doing, yet pheasants need shade and shelter from it in the heat of the day. None is so good as long grass; it is refreshing from its coolness at the bottom, and it harbors insects on which the poults feed.

"If the space devoted to them be large, I advise that it be cut like a draught board, or like the pattern of a plaid, having alternate stripes; one cut close, while on the other the grass is allowed to grow as high and as thick as it will. In this high grass the poults shelter themselves from heat, and rest and amuse themselves; they also find insect food. The parts where the grass grows should be larger than those that are mown. In each of these latter places a large plank should be laid, on which the food for the young may be thrown.

"Feeding time affords a pretty sight. When the field is entered there is no appearance of life, save the tethered hens and here and there a straggling poult; but the moment the well-known call from the man and the hens is heard, the high grass is alive from the motion of the poults; they come from every quarter of it. Their food is still curd, strained in a cloth till quite dry and hard, dough made of meal and given in small pellets, and, for a change, a little wheat, and a mixture of chopped eggs and bruised wheat and buckwheat. If obtainable in sufficient quantities, green onion tops, chopped fine, are also good food. Ants' eggs are always desirable, if to be had. The youngster must always have water; but if they have been forgotten, and have been without for some time, they must have only a little at first, and not as much as they would drink.



A PHEASANTRY PLACED IN PLEASANT SURROUNDINGS

"Partridges do not require the same care. I have always set a hen on a great many eggs, and when hatched, move them with a hen into a clover field, taking little note of them, save to provide them with food and water. They are clever little foragers, and, from the first, stray a long way from the parent hen. They are little subject to disease, soon take to flying, and grow without a check. Cats are their great enemies. If you would do well with either pheasants or partridges, the hens must be confined till they are no longer required to take care of their broods. "The food for partridges and pheasants is the same."

The greatest difficulty experienced in keeping pheasants, partridges, or quail, is to provide suitable yarding and housing for them. We show

with this an illustration of yards that might be made use of and meet the fullest requirements in caring for this kind of stock, the necessities of which are closed confinement on all sides and overhead, plenty of shade and sufficient room to permit them to fly about. Of necessity the overhead space of this illustration is not as great as it should be. The best constructed aviaries for pheasants have an overhead space of from twelve to sixteen feet. Less will do for partridge or quail. Where they can not have sufficient overhead space to permit them to fly freely about, a low confined space is best, as this prevents their making the attempt to fly against the sides or covering and injuring their wings or bodies.

In the rear of the door a close weather-boarded, dry, warm interior for the pheasants or other birds should be built. In this they can be kept confined during the cold, stormy days of winter. Whenever the sun shines and it is not too severe, they should be given their

liberty even in winter.

These are only suggestions that might serve as a guide to the proper building of enclosures which can be fashioned after this illustration, the only change necessary being greater space overhead when it is possible.

One of the greatest requirements for the health and pleasure of this kind of birds is a deep, dry dust bath in which they can wallow at all seasons of the year. The absolute qualifications for success are perfectly dry floors and interiors to the buildings, and protection from damp or wet ground in the runways. Nothing is more necessary for success in keeping these fowls than a large supply of fresh, clean water to drink.

## The Farmer's Blessing



ONE feature that naturally belongs to the agricultural pursuits of our country has and can so thoroughly benefit the farm interest as poultry, if properly cared for. At the same time, nothing is likely to be more discouraging and unsatisfactory than poultry neglected or improperly cared for. Statistics gathered from every section of this country as well as foreign lands, as far away as Australia, Denmark, and Africa, show conclusively that proper care and feeding of poultry, not including labor, costs for a year \$1 per head. Net or gross returns on the average throughout all this territory shows each hen properly cared for will produce from \$2 to \$3.56 per hen, according to the locality and the success in handling them. The average gross profit from well-kept hens throughout the whole country or world at large is about \$1.25. This is after deducting \$1 for their keep, and al-

lowing nothing whatever for the labor and attention in looking after same.

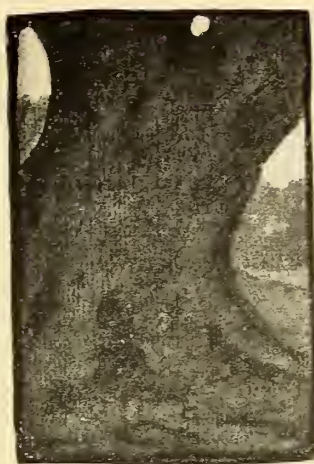
On the other hand, it is a well-known fact that there are thousands of hens and hundreds of cows kept in every section of the world at a financial loss, the result of careless methods, unsanitary houses and improper feeding. On the one hand a good profit is made from keeping hens, while on the other, considerable financial loss is sustained. For these reasons we do not hesitate to state that every one living in the rural districts should keep as much poultry as they can look after in the right way, with the understanding that if neglected, they will prove a financial loss, but if properly cared for and looked after, that they will be a blessing and a profitable investment to those who keep them.

The farm is the ideal place for the poultry. They should not, however, be kept close to the back door, fed and cared for there, and allowed to disfigure and disgrace the domicile of the family by running over, scratching, and feeding at the door-steps. Cows, hogs, and sheep are not usually kept in this way, and poultry should not

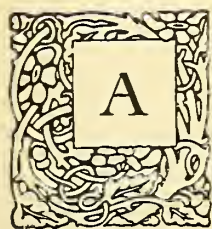
be. The poultry quarters should be fenced off in a healthy, well-drained locality, looked after and cared for to the most minute detail, and kept just as warm, dry, and clean as the family cow or the driving horse. If there is one place in the world where the phrase "Cleanliness is next to godliness," it is in the poultry house. Without cleanliness, proper sanitary conditions, and good care, there can not be any success in poultry growing. With it, success is assured.

Where the garden is neglected for a month or six weeks during hot weather, it is quickly overgrown and destroyed by weeds. When poultry houses are neglected for some length of time, they are almost certain to be overrun with insect vermin, which carry with them destruction, disease, and failure. When this overcomes, it can only be blamed to the negligence of the owner, or the one in charge; the blame should never rest with the poultry. Those who court success through good management, are almost certain to gain a profit from keeping poultry upon the farm.





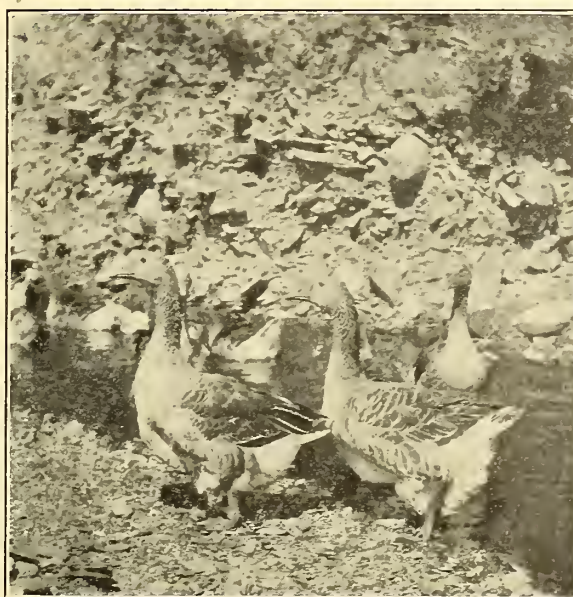
## Where Water-fowls Are Grown



AS A COMPANION piece to "Where Poultry Is Grown," we present for the benefit of our readers conditions under which water-fowl of all kind, especially geese, may be grown profitably. We have often mentioned the rough lands of New England where water-fowl are grown. These lands are the roughest, most infertile, impossible lands for cultivation that we have ever visited, and the most naturally equipped for growing geese. They are composed of stony hillsides, drifting down to swampy foot lands. Small swimming pools like the one illustrated are scattered throughout this territory. The writer of this article is included in the photograph taken for him by Mr. Robinson, of Farm Poultry. Upon this farm has been grown without question the finest turkeys, ducks, and geese produced in this country. Many of the winners each year at the Boston Show come from this locality. The fences of the farm are built with stone gathered there. Thousands of tons of these stones are being hauled away to be used in the work of making concrete roads, yet we doubt whether the supply will ever be exhausted. On these lands are grown water-fowl of all kinds in their natural state. Here the Mongrel geese were originally produced, which sell for the highest prices in the Boston market. The hillsides furnish the dry roosting place during the night and terrible rain storms. The marshes provide an almost inexhaustible green food supply. These lands could not be used for any other purpose, yet they give most profitable returns when the value is considered, when used simply for growing water-fowl.

Upon this same farm are grown hundreds of turkeys. Here we saw for the first and only time in our life pea-fowl, with quite a number of their own young following them about the hillside, and dozens of white guinea-keats growing with but little attention, following the mother guinea hens about the farm. Here we saw the wild Canada geese, the African Toulouse, the Embden geese, all of the most superb quality that we have ever seen, and all of these grown successfully on these rough, stony lands.

In line with these are the young Toulouse geese raised upon the farm of Mr. Babcock at Jamestown, N. Y. These were about four



TOULOUSE GOSLINGS FOUR MONTHS OLD

months old when photographed the fifteenth day of August. These lands, even less productive than the lands of Connecticut, have proven to be one of the most successful spots in the country upon which geese have been grown. These two localities are quite in contrast, yet similar in some respects. Both have proven to be successful producing places of large numbers of the best geese grown in the country. These illustrations should prove beyond all question the possibility of growing water-fowl where no other live stock could be kept and handling them in such localities means profit to the breeder. No land is too rough for growing geese that has upon it uplands, lowlands, a full water supply, and sufficient herbage of some kind to provide them with green food. It should always be remembered that fertile eggs can only be had from geese that are given sufficient water for them to swim in. Geese must have water to swim in during the entire breeding season, or the fertility of the eggs will be very small. Geese must have all the growing green stuff that they can possibly eat; they are a grazing fowl, living almost entirely upon grass and green stuff, which they pick up as they range over the land. A full water supply, sufficient for them to swim in, and plenty of green stuff to eat are the two absolute require-

ments in growing geese. These present, no matter how rough and unattractive the land may be, geese will prosper upon it. When we know that the best are produced on lands such as illustrated here, we need not hesitate to attempt to grow geese if we can provide them with similar surroundings.

While geese may be grown, and are grown, and will continue to be grown most profitably upon these rough, undesirable lands, these are not the only localities where they may be grown to advantage. We illustrate cattle and geese on the prairies. Here we see ranging over this vast expanse of level country cattle in the distance, and beside a little stream a pair of Toulouse geese with their flock of young, gaining their living from the grass along the banks which they visit frequently for the purpose of swimming and quenching their thirst. It is thought that too many geese, like too many sheep upon a pasture, will taint the grass and prevent the flocks that graze therefrom doing their best, but a few geese like the ones presented here could not detract from the food value of such an expanse of territory. Here they may be profitably grown in small numbers. A large flock of geese, if grown upon lands like these, must be provided with shelter from the sun and fenced in and confined to the territory over which they should range, or they will undoubtedly injure the pasture for other cattle. Then, again, such lands are too valuable to be used exclusively for growing geese. Geese would do well here, but not return a profit equal to the value of the lands.

Our other illustration of geese grown in Illinois, represents the farm of Mr. King, at Chesterfield, Ill., where a number of valuable geese are grown. This flock is separated from the regular pasture lands by the use of the wire fence. The lands are dotted with swimming pools that are of great advantage in growing geese. Flocks can gain a full food supply of green grass and clover without intruding upon the more valuable pasture lands of the farm. Here and throughout the entire country can be found many localities, unprofitable as farming propositions, where large numbers of geese and water-fowls of all kinds might be successfully produced.

As an example of this, we show a picture of marshy land used for Pekin ducks. This large expanse of country contains thousands of acres





THE ROUGH, STONY LANDS OF CONNECTICUT

of just such lands; they are ideal spots for growing water-fowl. But when using such lands, we would advise, first of all, killing the large turtles, muskrats, and water rats. Clear the country of the large-size turtles and pests of this kind, and it can then be used most advantageously for growing water-fowl. It is always best to fence off with wire-cloth breeding yards and pools so as to confine the breeding stock within these limits. Permit them free access to enclosed water-pools. Have the laying buildings near at hand in which they should be confined until they have deposited their eggs each day. After the young of the geese have become sufficiently well-grown to follow their parents—say, past two weeks old—they could be permitted to roam at will, providing there are no foxes, muskrats, or groundhogs in the neighborhood to destroy them. The young of the ducks had best be confined to the limits of the breeding yards until six weeks old, after which they and the older flocks could be permitted to roam at large. All these waste lands can be used in this way for the growing of water-fowl. All might be reclaimed to a greater or less extent through drainage, a proper amount of which might improve them for the purpose. Too much drainage might dry them up certain seasons of the year and do an injury. Such lands seldom, if ever, become tillable, and usually go to waste



MARSHY LANDS FOR PEKIN DUCKS

for want of profitable use. More or less of the timber can be cleared away, leaving enough for shelter for the growing fowls. All of them could be turned, as previously suggested, into profitable use for producing water-fowl if the necessary principles for care are closely followed out.

We have known large numbers of young ducks to be lost, as well as young goslings, through neglect or want of knowledge of those having them in charge. It should be remembered that young goslings may be drowned in a very heavy rain storm; it is also true that if they swim too long and can not readily ascend the banks to get out of the water, they may become water-soaked and lost through their inability to gain the shore.

For this reason, there should always be a gentle incline to the dry lands from the swimming pools. Ducklings and goslings are often pulled beneath the surface of the water and eaten by large turtles. Muskrats destroy them in the same way. Foxes and woodchucks, so we have been informed, select them as a dainty morsel. Whether the woodchuck will eat them or not, we can not positively state, but we know that Master Reynard will travel miles to obtain one or more of them. All of this must be guarded against. Hawks and crows will carry off very young ducklings, but will seldom, if ever, disturb them after a few weeks grown. Whole broods of ducklings and young goslings have been lost by giving them their entire liberty when quite young; being caught out in a heavy, drenching rain during the night while sleeping upon the surface of the water, they may become completely destroyed. All of these little attentions are necessary for the successful growing of water-fowl in such localities.

Seldom will any one succeed in the management of something with which they are not familiar. It is necessary to understand the proper care for water-fowl to succeed in breeding them profitably. Thousands of water-fowl are sold in the markets all over the country. Many more of them would be disposed of if they

were of a better quality. When grown in the localities described, they do not naturally gather much desirable meat upon their bones. Nothing can be more quickly prepared for market than water-fowl when handled for this purpose. It is only necessary to confine them to yards. Give them shelter under an open shed roof from bad and inclement weather, covering the floor with dry straw, which should be shaken up, dried or renewed as needed. Provide plenty of water for them to drink, and feed them many times a day all the fattening mash foods mixed dry, with boiled milk, that they will eat up clean at each time of feeding. Force them to the full extent that their appetites will allow them to eat of this. Carefully provide fattening mash foods from two to four weeks, according to the starting con-

dition, then they will be plump and ready for market, having gained more pounds in weight by far than one would imagine, the whole carcass being renewed and covered with soft tender meat, plentiful in comparison to what would have been the carcass if dressed for market before having been fed for the purpose. Nothing can be made as tender, and plump in so short a time as can be ducks and geese gathered in from ranges as above described, and fed to finish them for market purposes. Thousands of them are shipped every year from as far north as Nova Scotia into New Jersey and Massachusetts, where they are quickly fed into fat, plump market fowl, beautifully dressed and then sent to market, where they are disposed of at prices which return good profit to the feeders. This same plan of finishing can be followed by the growers, the specimens killed, dry-picked, and sold into the home market at almost double the price usually paid for other market poultry.

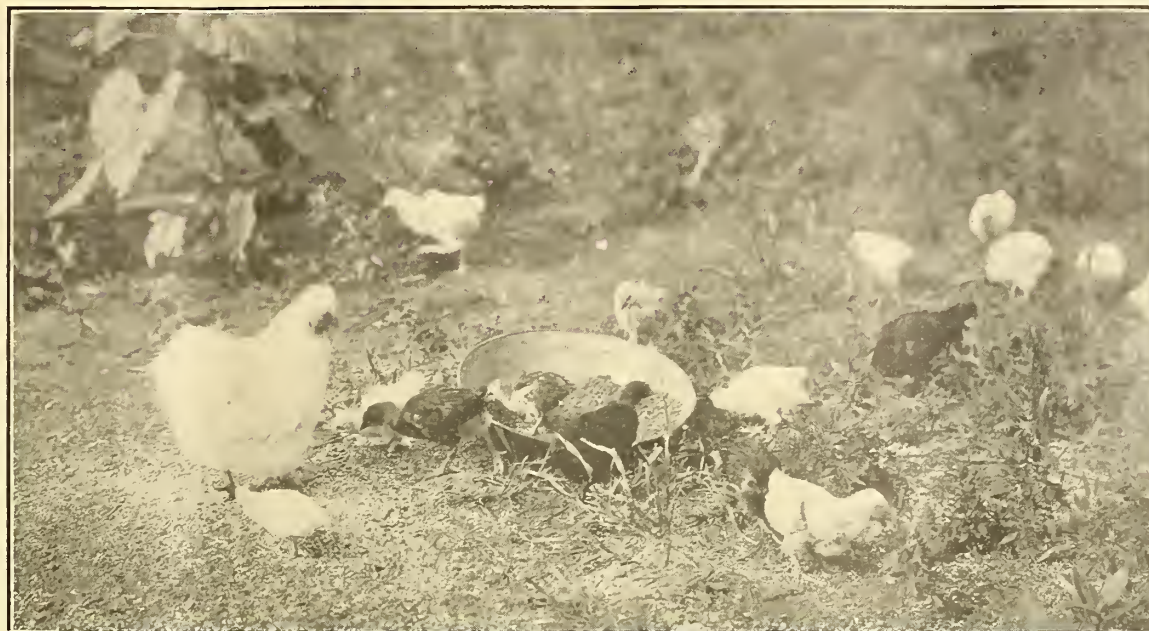
So little attention has been given in this country to finishing our poultry into desirable quality as to make it necessary to say that we know but little of well-fed, well-finished poultry in our markets. In other countries, ducks, geese, tur-



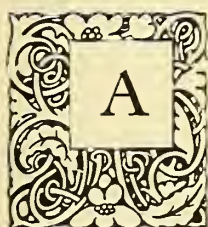
GEESE GROWN IN ILLINOIS

keys, and poultry of all kinds are fed with the greatest care and attention. Whenever they will not eat as their attendants desire, they are hand-stuffed and crammed with long boluses of rich, fattening food, which is prepared, rolled into the boluses in the hands, and forced down the throat with round pieces of wood with a hole in the end prepared purposely for same. Every possible attention is given to the finishing and fattening of all the poultry of the best quality sent into the foreign markets. Small fortunes have been made by poultry growers adjacent to Houdan, France, and in Sussex County, England. Here millions of pounds are fed and fattened and sent to market each year. The mere statement that they came from Houdan or Sussex adds value to the carcass. Careful buyers never take from these localities and sell as other than the best. The growers guard their reputation to the greatest extent. There are two localities in this country credited by foreigners as producing fairly good poultry. No locality has yet gained the name of coming anywhere near to the best of France and England. In the land of range and plenty, all poultry should be sent to market superior to any grown in foreign countries upon expensive lands and fed with high-priced grains, the stock limited to an insufficient range to gain even a portion of their living.





## The Mother Hen



ARTIFICIAL incubation has so monopolized the attention of the world of late as to have almost excluded from consideration the good office of the mother hen. Not so many years ago, one felt absolutely certain that the cluck of the mother hen would soon

be heard near at hand when the little chick was seen. To-day one might see thousands of the little creatures without even having brought to his imagination the possibility of such a thing as a mother hen, if we were not familiar with the fact that they were grown in this way.

Nature's incubator, as termed by an acquaintance, was a large room in which there were placed upon a floor of dry earth, from twelve to fifteen Light Brahma hens, all of which were covering a nest full of eggs, the nest having been hollowed out in the dry earth, and lined with straw. These ten or a dozen hens were always started at the same time, thus bringing forth a myriad of young chicks at a single hatch, all of which would be turned over to the attention of not less than half of these hens, who would start on their maternal duties within the same building to care for the young chicks.

One of the most satisfactory ways to hatch and rear young chicks by the mother hen can be made use of in almost any locality out of doors, provided some few simple appliances are provided. Illustration No. 1 presents a device employed for the hatching of chickens under hens. This consists of six separate apartments, divided off in a single box which has sliding doors in front, with a round ventilator, the nests constructed therein and hens placed upon the nests from where they can be liberated once a day to have feed, water, exercise, and a dust bath in the sun.

With such contrivances, large numbers of chicks may be hatched under hens, the conditions minimizing the labor necessary. Once a day, usually at noon, the front door of each enclosure may be opened and the broody hens permitted to come out and exercise. Those which do not take advantage of this immediately, may be gently removed by the hand and placed on the ground. All should have satisfied their hunger,

to throw down in front to keep them close to their duty. The three hens pictured in our second illustration are two white and one brown Silkies. The fowls are largely used in England for the purpose of hatching the eggs. This nest is made from an orange box, divided into three partitions.

These two illustrations present ideas that may be made use of in many ways. Barrels may be buried part-way in the ground for outside nests; low shed enclosures may be used as described above as nature's incubator. A hole being cut inside of the barrel, the top being left as a roof, provides a safe nesting place for the hens. Boxes buried part-way in the ground are of equal advantage. A barrel, a box, or a building that will provide the necessary essentials of protection from the sun, the wind, the rain, and dangerous marauders, will fill the requirements for nesting places for the mother hen outside of poultry houses and other buildings. Those generally familiar with poultry growing, those who have plenty of buildings and other places for broody hens, will know how to manage them. These suggestions may prove of great advantage to amateur poultry growers.

Illustration No. 3 shows boxes or coops provided with wire-covered enclosures, which may be placed close against the coop, thus providing a

sheltered runway for the young chicks, protecting them from the cats, hawks, and crows. These coops and covered enclosures may be moved about over the grass plat, providing a fresh runway every day or two for the young chicks, and assuring protection from cats, rats, and other destroyers during the absence of their natural protectors. These appliances may be quickly and cheaply constructed, but providing the safest kind of protection for the young chicks with the mother hen to care for them.

Wherever there is a sufficient runway for the young chicks, a colony coop may be placed for



NO. 3. COOPS AND COVERED RUNS FOR MOTHER HEN AND YOUNG CHICKS

exercised sufficiently, and have returned to their nests within a half an hour. Those that do not go back of themselves, should be gently induced so to do and all shut up in their nests before being left to themselves.

The most satisfactory results will be obtained by placing the eggs under the entire lot in one section all the same day, so they will all hatch at once.

Illustration No. 2 shows a simpler, less expensive plan. This is a rough box, divided into three partitions, and the eggs placed therein for the hens. Use only a loose covering of burlap





NO. 4. MOTHER HEN WITH BROOD OF SIXTEEN

them and the mother hen. This colony coop may be made large enough to hold the mother hen and sixteen young chicks. This can be made from a store-box, which can be covered over the top, back, and sides with tar paper, the front covered with wire cloth, and a doorway to open and close. In this coop the mother hen may be confined during the night with her brood and liberated in the daytime, after the grass has become sufficiently dry to permit them to wander safely about. Later, this could be provided with a roost and used as a colony home for this brood until winter storms compel their removal to more satisfactory quarters.

Where more than six are grown a colony coop may be constructed like the one shown in illustration No. 5. This coop is sufficiently large in which to start five or six broods with the mother hen. This colony coop becomes the home of the fifty or sixty chicks in the brood up to the time of removing them to the laying houses in winter or for separating them to be sold to market.

These appliances are all valuable and practical for growing poultry with hens. No one can hope to be successful in raising poultry unless properly equipped. It is never necessary to go into extravagant expenditure after providing healthful conveniences for the protection of the young stock. All outlay made beyond the absolute necessities is either a waste of the profits or an expenditure made to please the fancy of the owner.

The best results are always gained most extensively by those who pay the closest attention to the details of growing young chicks, cleanliness, absolute freedom from insect vermin and protection from damp and cold. Never place

the nest box or the coop for the mother hen and young chickens in a low, damp spot, or where the drainage will be toward the coop. Always place the coop on a high, dry spot where the drainage is naturally away from and not toward the coop. Provide a dry board floor covered with sand for the interior of the coop during damp weather. A dry spot on the ground may be best during favorable weather; nothing equals the dry board floor covered with sand or dry earth during damp weather.

Proper feed for the young chick is essential for success. No one can find any possible excuse for using the wrong material for feeding the young chickens, when on every side in every feed store may be purchased a fine quality of ready prepared chick food at about the same relative cost as grains of like character would bring. In the selection of these foods, choose those having the least amount of foreign matter and grit. Grit should not be fed mixed with the food. Grit should be fed separate and alone, to be taken at the will of the chick, and not forced upon them by being mixed with their food. "Early and often" is the most successful motto in feeding young chicks and young turkeys. The young chick, the young poult, and the guinea-keet, all should be fed a little at a time, but frequently during the first few weeks of their existence. As to when the first meal should be provided, nature is the best judge. Place a little food near by where they can help themselves, and permit the mother hens and chicks to decide when is the best time for them to eat. Never force the water into the coop up against the hens and the young chicks. Place it outside and near the coops. When the chicks are old enough and disposed to go there and get a drink for themselves is time enough for the water. Personally, we believe more young chicks are destroyed through being caused to drink before moisture is needed than were ever lost by depriving them of water for the first three days of their existence. Nothing is so apt to cause bowel trouble as a surfeit of meal, sand, and water. A whole brood may be destroyed within twenty-four hours through eating meals mixed with water and sand, followed by drinking too much water.

We advocate the use of the dry grain ration. This we have done for years. Those most successful are those who follow the dry grain ration. Grains, seeds, bugs, grasses, and light foods are natural for the young chicks. Wet mash and slop foods of any kind are foreign to their nature. When the chick is well started upon its feet, it may be forced to a larger and quicker growth through feeding rich mash food. Many are destroyed in this way. Those able to stand this character of forced feeding grow to superb specimens.

In entirely too many instances in feeding small flocks more food is wasted than is consumed. We have seen as much as a quart of moldy, soft grain, some of it sprouting, swept from beneath and about a hen coop used by a mother hen and a brood of chickens. The same amount wasted every two weeks with every brood would make the growing of chicks quite expensive. Careful feeding to the extent of all they will readily consume is the best rule to follow.

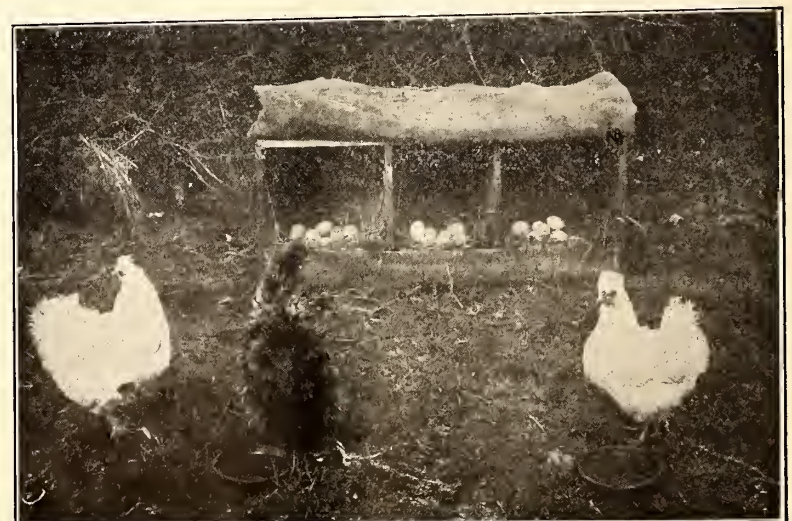
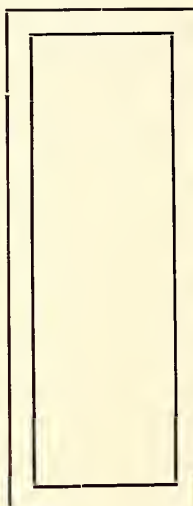


NO. 1. OUTDOOR NEST BOXES

After young chicks have reached the age of three weeks they will stand much running about in the damp and wet grass, providing there is near at hand a dry spot for them to go to and rest. If the coop where the mother hen is confined is placed under a shed during the damp, rainy weather, this provides a dry spot for their comfort. A load of sand dumped on a dry spot and spread about with a rake provides a healthful resting place for two or three coops and the mother hens. What the chicks need is a dry spot to go to in and out of the rain and wet.



NO. 5. COLONY HOUSE WITH FAMILY WELL MATURED



NO. 2. NEST CONSTRUCTED FROM ORANGE BOX



## Science of Breeding

By T. F. McGREW

### Mating for Best Results

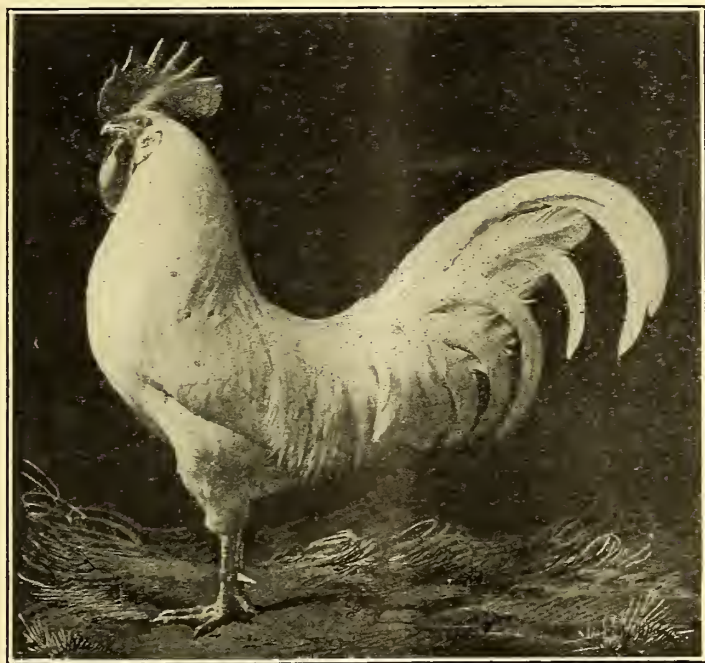


MATING for best results considered from a general standpoint and not in connection with the mating of individual varieties might be governed through the application of the oft-repeated phrase of "Like produces like." This means that good quality in anything can only come from equal or better quality in the parents. This being the case, no one need hope to be successful in producing any kind of live stock unless they possess unquestionable quality in the parent stock.

In addition to this, it must be remembered that the female side of the mating

to select the smallest females from which to grow the stock to have them even smaller than the smallest size bantams. The continual selection of the smallest females of any breed or variety, mating them to undersized males of their own variety, it is only necessary to reduce the original fowl to bantam size. Inbreeding and the selection of small-sized females will diminish the size of any fowl thus produced, while on the other hand, the use of large, heavy-boned, vigorous hens will continually increase the size in the offspring.

Another thought worthy of consideration is the fact that inferior shape or color is most certain to follow from badly-colored, poorly-shaped parent birds.



WHITE LEGHORN COCK, OWNED BY G. S. MOORE, TRENTON FALLS, N. Y.

is largely responsible for size, shape, and for the general appearance of the offspring. A small, badly-formed, delicately-constructed female will never produce large-sized or good quality in the offspring. No one need to look for success in the growing of high quality exhibition poultry from females of inferior quality, nor will large size, or even good medium-sized specimens be grown from oversized females. If this be borne in mind, no one need ever be disappointed in the size of the offspring, as this can be governed absolutely through the selection of good, generous-sized females for producing the eggs, and the liberal feeding of the chicks from the time they leave the shell until fully matured.

In this way the size of the offspring may be continually governed. On the other hand, if small size is desirable either in fowls or bantams, it is only necessary

Birds of inferior type and color will seldom if ever produce anything of value as exhibition specimens. Even the best-selected matings often fail to produce desirable quality. This being the case, how could one even expect the slightest amount of character or quality from a mating that lacked in shape and color. Another feature which has entirely too much consideration at the hands of those who desire to breed exhibition stock is the mating together of faulty specimens with the hope of overcoming the defect of one through a superabundance of quality in the same section of the other; in other words, to attempt to produce full, round, plump breasts on the offspring from parents one of whom has a narrow, flat breast, while the other has a very broad, oval breast. The result of breeding from these two would naturally be a little better than the poorest, but not

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Copy may be changed as often as desired, though we advise running a standard ad when possible. In order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 1-3 cent each for each insertion when run three times or more. Figures count as single words.

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Hazeldine's Barred Plymouth Rocks. A Few choice cockerels for sale at \$3 and \$5 each. These cockerels are sired by the first and third prize cockerels at Scranton, Pa., 1906, and are brothers to my Scranton and Philadelphia, 1907, winners. Eggs from carefully mated pens, \$3 per 15; \$5 per 30. J. H. HAZELDINE, Bloomsburg, Pa. 12-8

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Buff Rocks Exclusively. World's Fair Winners. More prizes at state fairs 1904-05-06 than thirty competitors combined. Breeders or show birds from my second Madison Square cockerel; thirty-five competing. EDGEWOOD FARM, Ballston Lake, N. Y. 12-8

Barred Plymouth Rocks Exclusively. Stock for sale. \$2 each; \$5 a trio; \$18 a dozen. J. F. SMITH, Remington, Va. 12-5 3t

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Fithian, Ill. 13-3

White Rocks Direct from U. R. Fishel. Eggs, \$2.50 per 15. Single-combed White Leghorns, eggs \$1.50 per 15. MRS. F. B. BRUCE, Jay, Essex Co., N. Y. 12-7

Barred Plymouth Rocks (Bradley Strain), Carefully selected matings from prize winning stock. Eggs, \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Props., Hagerstown, Md. 12-7

Buff Rocks—Originated by J. D. Wilson, Box C, Worcester, New York; winners since '93 World's Fair; Troy, Rochester, N. Y.; 7 years Madison Square Garden, New York; Boston, Mass. Birds from \$2. Best Eggs \$5 per 13; \$8 per 26; \$10 per 30. 12-7

White Plymouth Rocks. My Birds Won Very Near every premium offered in this class at the recent Greensboro and Charlotte Poultry Shows, and are the quality that will win anywhere. Have a few vigorous and snappy cockerels for sale at reasonable prices. It will pay to head your flock with one of these birds. Eggs, \$3 per 15. Y. E. SMITH, East Durham, N. C. 12-7

Eggs for Hatching from Exhibition Barred and White Rocks. Satisfaction guaranteed. Write for circular. Incubator eggs furnished. FLORIS HILL POULTRY YARDS, Florida, Va. 12-7

For Sale—Barred Rock Cockerels and Pullets, scoring from 89 to 93 honest points at honest prices. Eggs, from choicest matings, \$2. Write. D. M. McQUEEN, Box C, Bowerston, Ohio. 12-7

Golden Buff Rocks, Buff to the Body, Right shape; great layers. Eggs from best matings, \$1.50 per 15. GEO. M. ALEXANDER, Station C, Toledo, Ohio. 12-7

Buff Plymouth Rocks Exclusively. Bred From prize winners. Eggs \$2 for 15, pen 1; \$1.50 pen 2. Also a few cockerels; prices low. FRED ARMER, Ballston Spa., N. Y. 12-7

Barred Rocks Exclusively—Three First, One Second at the great Daltown Show, December, 1906. Eggs \$2 per 15; cockerel and pullet matings. GEO. W. STUMP, Springvale, Pa. 12-7

Buff Rocks Exclusively.—I Bred, Raised, and showed first prize Cockerel at Madison Square Garden, 1907. Birds that I raised have won 6 firsts at Madison Square Garden. Eggs from pen headed by sire of first cockerel at Madison Square Garden, \$5 setting. JOHN W. POLEY, Royersford, Pa., R. D. 1. 12-7

Eggs, Eggs, Eggs, from Fine Barred Rocks, 15 for \$1; 30 for \$1.75. F. A. WEAVER, Chestnut Hill, Conn. 12-7

26 Eggs, \$1—Thompson's Ringlet Strain of pure bred Barred Plymouth Rocks; none better at any price. Write for circular. FRANK MOORE, Madison, Ind. 12-7

Barred Plymouth Rocks, Standard Bred and Good layers. Eggs, \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

White Rocks—Fishel Strain Direct—Standard bred; large, pure white; heavy layers. Eggs, \$1 per 15. E. C. PURDY, Box 2, Croton Falls, N. Y. 12-8

Pure Ringlets Direct from Thompson. My Barred Plymouth Rocks are the finest I ever raised. Breeding and Exhibition Birds for sale, both Cockerel and Pullet line bred. Eggs, from first prize pens, \$3 per setting. Your money back if not pleased. Mention The Feather. A. J. CHEEK, Henderson, N. C. 12-7

White Rocks—Pure White. Eggs from First pen, \$1.50 per 15; second pen, \$1 per 15. Order early and send cash. CHET CLEARWATER, Farnhamville, Iowa. 12-7

Gregory's White Plymouth Rocks. Fishel's strain Cockerels, \$1.50 up. Single-combed Buff Orpingtons' pure eggs \$1.50 per setting. HARRY W. GREGORY, Chapman Quarries, Pa. 12-7

Oak Grove Poultry Yards—Special Sale to Make room for my Breeder's Barred White and Buff Rocks and S. C. W. Leghorns, \$1.50 each. Eggs from my best pens, \$1 per 15; \$2.50 per 45; \$5 per 100. MRS. R. P. HINES, Olney, Md. 12-7

Eggs Count.—Dunderberg White Rocks Are Bred for eggs. 20 pens of breeders, pure white, correct shape. Eggs, \$6, \$7, \$8, \$10 and \$15 per hundred, according to record of egg production. A few fine Cockerels left, \$2.50 to \$5. DUNDERBERG POULTRY YARDS, Tomkins Cove, N. Y. 12-7

Buff Rocks Exclusively—Farm Raised, Vigorous and healthy; fine color; prolific layers. Eggs that hatch, 15 eggs, \$1. HOWARD HESTED, New Albany, Pa. 12-7

Buff and Barred Rocks, Barred Thompson Strain, Buff leading strains of America. Stock and eggs \$1 for 15; \$5 for 100. MRS. J. W. TETRICK, Williamson, Pa. 12-7

Marburger's Barred Rocks Win at Lititz, the banner show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. A. W. MARBURGER, Lock Box 26, Denver, Pa. 12-10

Buff Plymouth Rocks, Winners of the State Silver Cup at West Haven, and specials for best shape and color; gold special at N. Britain for best color cockerel; scores 94 pullets, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Buff Plymouth Rocks, Nugget Strain—Eggs in season, \$2.50 for one setting; \$4 for two settings; no stock for sale at present. WILLIAM HOWE, Hudson, Pa. 12-7

Extra Quality Buff, Barred and White Rock pens, headed by Thompson and Fishel males. Stock for sale. Eggs \$1.50 per 15. WILL TOUTON, Ft. Atkinson, Wis. 12-7

White Rocks, Fishel Strain, Males and Females scoring to 95. Barred Rocks, Bradley strain, scoring to 93. Eggs, \$1 per 15; incubator eggs \$5 per 100. Why pay \$5 per setting for eggs no better? BOWKER POULTRY FARM, Box F, Dublin, Ind. 12-8

White Rocks—Just Bought a Whole Breeding yard direct from A. C. Hawkins. Eggs \$2.50. Circular free. J. E. CHRISTIE, Garfield, N. J., Route 13. 12-7

Buff Rocks, Utility Bred, as Well as Prize winners. They hold their own in the best of company. A few breeders for sale. Eggs, \$2 per setting. THEO. BENNER, Bunker Hill, Ill. 12-7

White Plymouth Rocks.—Eggs \$2 per 15. Prize winners, trio for \$9. Mammoth Bronze turkey eggs \$3 for 10. GEO. PARKINSON, Peach Orchards, Sumas, Wash. 12-7

For an Inducement Will Sell Eggs 75c per Setting. White and Barred Rocks and White Wyandottes. My birds are noted for their great laying as well as show points. C. L. YERGY, Douglassville, Pa. 12-8

Barred Plymouth Rocks—Egg-laying Strain—Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

E. B. Thompson's Strain of Barred Plymouth Rocks, direct from his best pens; choice birds only; light, medium, and dark matings; eggs, \$1.50 per 15. Also Blue Homing Pigeons mated for squab raising or racing. TERESA DAVIES, Susquehanna, Pa., Route 4. 12-7

Partridge Plymouth Rock Eggs for Setting from carefully mated pens: \$3 for 15; stock for sale. Write A. L. BAILEY, Westmoreland, N. Y. 12-8

Barred Rocks Exclusively, Second Pen, Rutherford, December, 1906; eggs that will hatch, \$1 for 13, \$7 per 100. Satisfaction guaranteed. WM. PERRY, Rutherford, N. J. 12-8



**Buff Rocks—Blue Ribbon Winners at Great Rochester and Auburn Shows.** Stock for sale. Eggs, \$2 per 15. J. LIESE, 6 Bly St., Rochester, N. Y. 12-8

**Eggs for Hatching from Pure Bred Stock Barred Plymouth Rocks,** 15 for \$1; 50 for \$3. Mammoth Pekin Ducks, 12 for \$1. J. A. McCARTY, Monroe Grove Poultry Farm, Aldie, Va. 12-8

**Buff Rocks, 50 Cockerels, \$3 Up, Pullets, \$2.** The egg-laying kind; my breeders score 90 to 94, winners at Scranton, 1907. Eggs, \$2.50 and \$1.50 for 15. Orders booked now. Ship when wanted. Write. A. L. FAWCETT, Box 5, New Albany, Pa. 12-8

**Barred Plymouth Rocks. I Want What I Want** when I want it. Strong, healthy, standard bred, heavy layers, farm raised; none better; eggs, \$1.50 setting. G. W. HAINES, Stanwick, N. J. 12-8

**White Rocks (Hawkins), Barred (Bradley Bros. strain). Standard bred; stock for sale.** Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Nieda, Ephrata, Pa. 12-11

**Eggs for Hatching from Choice Matings of B. P. Rocks.** I have bred them thirty years and they are up-to-date. Eggs, \$2.50 per 15; \$4 per 36. J. J. STAGE, 1123 Hatch, Spokane, Wash. 12-8

**Fenner's Strain Buff Rocks Eggs, \$1 per 15; \$2 per 40; \$3.50 per 100.** This is stock of seven years breeding and selection. G. H. FENNER, Route 1, Nazareth, Pa. 12-8

**Red Hill Farm, Bridgeport, Pa., White Plymouth Rocks, Eggs for hatching.** 12-8

**Barred P. Rocks Exclusively.** Eggs, \$2 for 15; \$3 for 30; incubator eggs, \$5 per 100; chickens, 8 weeks old, 50 cents apiece; \$5 per dozen. Send in your orders now and get the best. Money back if not satisfied. J. F. SMITH, Remington, Va. 12-8

**Barred Rocks—Bradley's and E. B. Thompson's Strains—pure, carefully mated.** Eggs, \$1 per 13. B. RHODES, Box F, Port Jervis, N. Y. 12-8

**Stock's White Rocks Are Line Bred from Winners.** Eggs from choice exhibition matings. \$3 per 15; \$5 per 30. The birds in these matings are grand, scoring from 94 to 96 1-4 points. Eggs from closely culled range flock which contains many birds scoring to 94 points. \$1.50 per 15, or \$8 per 100. VERNE D. STOCK, Lena, Ill. 12-8

**White Plymouth Rocks—The Quality of Chicks** from our \$1.15 per setting eggs last season was simply grand and the sales tremendous. This season they will be more so. Fair dealing and top-notch goods does the work. Send for catalogue; it is free. WHITE ROCK POULTRY PLANT, John M. Wiest, Prop., Ashland, Ohio. 12-8

**Ivory Strain White Rocks—Record Layers and winners wherever shown.** Eggs, \$2.50 per setting. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

**Vought's Invincible Barred Rocks—Can Furnish** eggs from either Thompson or Bradley Bros.' stock, \$1 per 15; \$5 per 100. R. H. VOUGHT, Randall, Iowa. 12-8

**Barred Rocks—Finest Exhibition Quality.** Before buying eggs get my circular. Cockerel and Pullet matings. L. W. WALSH, Box 248 F, Lynchburg, Va. 12-8

**Barred Plymouth Rocks (Miles Strain Direct)—**Eggs from fine utility stock, \$1 per setting; 1. S. RANCK, New Holland, Pa. 12-8

**Barred Plymouth Rocks. Established Since 1896.** Eggs from fine utility stock, \$1 per setting; \$5 per 100. GOUGH BROS. & CO., White Plains, Md. 12-8

**Ringlet Barred Plymouth Rocks and Single-combed White Leghorns.** Eggs for hatching from my Butler prize winners. Write for prices. JOS. C. SCHOTT, Chicora, Pa. 12-8

**Buff Rocks—Nugget Strain—Eggs from Extra** large heavy winter layers, nearly solid buff, \$1 per 13. Guarantee good hatch. ARTHUR TAYLOR, Washington, N. J. 12-8

**Belmont Poultry Farm—Breeders Standard Ringlet Barred Plymouth Rocks, bred by double system, Rice and Wyckoff. Single-combed White Leghorns; eggs, \$1.50 per 15.** CHAS. KILLIAN, Prop., Delanco, N. J. 12-8

**Buff Rocks—Just to Advertise—Eggs This Season** at \$1 per 15. From choice stock. H. E. DECKER, Madalin, Dutchess Co., N. Y. 12-8

**America's Finest Buff and Barred Rocks and Buff Wyandottes; choice stock for sale and eggs** for hatching. MT. WASHINGTON POULTRY FARM, Mt. Washington, Ohio. 12-8

**Columbian Plymouth Rocks—The Ideal Fowl** for poultrymen and fanciers; winners first pen, Madison Square, 1907. E. B. ANDREWS, 9 West 17th St., New York. 12-8

**Barred Rocks and Single-combed Buff Orpingtons.** Eggs, \$2 per 15, from first prize stock. A few good rock cockerels. J. H. WORLEY, Mercer, Pa. 13-5

**Barred Plymouth Rock Eggs, Hawkins and McClave strains.** \$1 per 15. W. R. OSBOURNE, Baltimore, Ohio. 12-8

**Royal Blue Barred Plymouth Rock Eggs for sale.** If you want quality write me for catalogue and prices. Satisfaction guaranteed. GEORGE W. WATSON, Eldorado, Ill. 12-8

**Eggs, \$1 per 15; \$3, 45—Bradley Bros. or Ringlet Strain.** Barred Rocks, Cockerel and Pullet matings. Buff Rocks, Millville and Fox Strain. White Rocks, Fishel's eggs. Circular free. H. D. PINCKNEY, Mahopac Falls, N. Y. 12-8

**For Sale—100 of Those Pure White and Stay** White Rocks and Wyandottes (Graves' Strain). You know the kind I raise. Northampton show, Nov. 27-29, I won 1st cock, 1st and 2d cockerels, 2d and 3d hens, 1st, 2d, and 3d pullets, 1st and 2d pens. Greenfield, 1st, 2d, and 3d hens. Springfield, 1st pullet, 2d cockerel. Holyoke, best cock, Cockerel, Hen, Pullet, pen shown by a member of American White Rock Club. HODGKINS POULTRY PLANT, Northampton, Mass. 12-8

**For Sale—Barred Plymouth Rock Cockerels, Two** to five dollars. Eggs in season; \$1 and \$2 per setting. Mention The Feather. JOHN ALBRIGHT, Shannon, Ill. 12-8

**Asbjeld's Buff Rocks Are Good Ones.** Eggs, \$3 per 15; 10 chicks guaranteed. I. P. ASBJELD & SON, Box F, Nora, Alcester, South Dakota. 12-8

**Partridge Plymouth Rocks and Partridge Wyandotte Eggs, \$1 and \$2 for 15 eggs.** Large stock; circular free. WM. SHREVE, Uhrichsville, Ohio. 12-8

**Crum's White Rocks Have Won in Columbus,** Cleveland, Detroit, Toledo, Pittsburg. They will win for you if you buy them. Write today. DR. W. A. CRUM, Upper Sandusky, Ohio. 12-8

**Choice Barred P. Rocks, S. C. Black Minorcas,** Houdans, and Homer Pigeons. Send stamp for circular. B. F. BRUBAKER, Mount Joy, Pa. 12-11

**250 Egg Strain, Utility Barred Plymouth Rocks,** 7-years trap nest, bred for large egg-production, eggs, \$1.50 for 15; incubator eggs, \$6 per 100. HARRY WILLETT TAYLOR, Route 8, Berlin, Md. 12-8

**White Plymouth Rocks, Fishel Strain, the** World's best. Eggs for hatching, \$1.50 per 15; \$5 per 100. Large orders a specialty. 75 per cent. fertility guaranteed. ISAAC C. CLARK, Penn Yan, N. Y. 12-8

**Buff Plymouth Rock (Nugget Strain). Eggs from** prize winning stock, \$2 per 15. FRANK T. PHILLIPS, State Vice-president of American Buff Plymouth Rock Club, Lonaconing, Md. 12-8

**White and Buff Rocks, Rose-combed Black Minorcas; large show record; a limited number** of eggs for sale. Satisfaction guaranteed. THOS. G. SAMUELS, Rhone, Pa. 12-8

**Barred Plymouth Rock and White Wyandotte** Cockerels, from prize winning stock, \$2 each. MRS. A. A. PARKER, R. F. D., No. 1, Bound Brook, N. J. 12-8

**\$1 per 15, Bradley's Barred Rocks, Cockerels** \$2 and up; hens and pullets, \$1.50 up; pens, \$8, \$10, \$12. Satisfaction guaranteed. W. G. RUBECK, Lockport, N. Y. 12-8

**100 Early-hatched Barred Plymouth Rocks and** Columbian Wyandottes; good size, shape, and markings. H. C. KEEN, Ridge St., Newark, N. J. 12-8

**Bradley Bros.' Strain, Pure Barred Plymouth** Rocks, four silver cups, ten first prizes this winter at Wilkes-Barre, East Greenville, and Scranton, Pa.; \$100 cup at Scranton for best Barred Rock in the show; 300 grand breeding birds for sale. Catalogue with photographs of winners. Eggs, \$2 per setting. BLUE BARRED FARM, F. H. Castner, Prop., Glen Gardner, N. J., R. D. 4. 12-8

**Buff Rocks Exclusively. Best Stock Money Can** buy; bred from prize winners; eggs, \$1.50 per 15; incubator eggs, \$5 per 100. WM. R. BOYER, Danville, Pa. 12-8

**Eggs from Prize Winning White Plymouth Rocks,** \$2 per setting; mated Homer Pigeons, \$1.50 per pair; unmated birds, 90c per pair. BRUEN BROS., Rockaway, N. J. 12-8

**Buff Rock Cockerels at \$1.50; Pullets at \$2.** Eggs, \$1.50 per setting. PROSPECT POULTRY YARDS, Westfield, N. J. 12-8

**Eggs for Hatching, White Plymouth Rocks, \$1.50** per 15, \$2.75 per 30. HERBERT A. SMITH, Box 3, Hyannisport, Mass. 12-8

**Stumptown Poultry Co., Standard Bred Barred** and White Rock and White Wyandottes, America's leading strains. Eggs for hatching at reasonable prices. R. 11, Bird-in-Hand, Pa. 12-8

**Buff Plymouth Rocks Exclusively. Fourteen** years a breeder of this variety. Winners at the good shows all these years. Some excellent exhibition birds for sale, shape right, color right, birds scoring up to 93 1-2 by Hewes and Pierce, PHIL FELT, Canal Dover, Ohio. 12-8

**Buff Plymouth Rocks at Hagerstown, October,** 1906, won 1st hen, 4th cockerel, 4th pullet, and 5th pen. Eggs from best pens, \$2 per 15. CHAS. A. MATSINGER, Baltimore, Md., Sta. N. 12-7

**Barred Rocks (Ringlets, Bradley). Shipped on** approval. Pullets and Cockerels, \$1 up. No finer bred. Eggs, \$1 per setting; \$5 per 100; warranted fertile. MRS. EDITH CHELTON, Landonville, Md. 12-7

nearly the equal of the best. It is the same as the mixture of black and brown, the result giving us a medium between the two. The only true rule to follow is that of selecting the superior quality for the producing stock and to mate these together and to care for the offspring in the best possible manner, so as to assist them toward growing into specimens of superior quality.

In the production of Buff fowls, breeders are apt to risk the use of a very light-colored male bird with dark-colored females. First, remember that color comes largely from the male. If the male lacks materiality in color, what can be hoped for in his offspring, no matter what the color of his mates may be? Knowing that he largely influences color, why make use of a specimen carrying bad-colored plumage as the sire of future offsprings that you hope will grow into winners at the winter shows. Never pair together defects of any kind. Better have a single pair, a trio, or a quartette of good, likely breeding specimens than to have a hundred of inferior quality in hopes that a chance shot may bring good results therefrom. Nothing succeeds like success. Success can only come in poultry growing from well-selected pens of fowls that have to the highest degree

all qualities that you hope to obtain in the offspring. In addition to this, the specimens thus made use of must be producers of quality, or you will not succeed. To illustrate more fully, successful breeders will say that a producer of quality is either a specimen that has produced a considerable number of high quality herself, or else daughters bred direct in line from a male of producers, all of which are known to give a large per cent. of the best quality only for their offsprings. When such specimens may be secured from which to produce the offspring, reasonable assurance may be accepted for success. To illustrate this more fully, we knew of a single Cochin hen which produced in a single year twenty-two offspring, fourteen of which won in the show room the following winter. She continued to breed winners into her seventh year. All of her daughters were wonderfully good producers. While on the other hand, some of the most beautiful specimens that we have seen never produced anything of quality during their entire period of usefulness. Appearance is no assurance of success. The only guarantee of success is to breed in line continually from those whose ancestors are known to have been producers of the best.

## Hints to Beginners



THE busiest month for the year for poultrymen is April. He is selling eggs, setting hens, hatching chicks, and doing many other things to take his time. To the beginner who wishes to make a start in poultry at a small outlay, I would say that now is the time to do so.

While some people prefer to buy stock rather than eggs for hatching, there is no reason why you should not be successful with the second method, and get a very nice start from a couple settings of eggs. Don't buy the cheapest eggs you can get. They are dear at any price. While there are breeders who sell eggs at \$1 per setting, and even lower, I think these kind of men should be avoided by the beginner, for in making a start remember that the best is none too good, and if you get good stock at first you will have less trouble in years to come. I am sure it would pay you better to pay \$2 per setting for eggs than to buy two or four settings for \$2. I would not pay less than \$2 per setting, and, if you can afford it, you would do well to pay even \$5 per setting.

After you get your eggs unpack them, and let them stand twenty-four hours before placing under a hen. I would not advise a beginner to get an incubator for the first season. This will be all right later, but you had better learn to set an old hen first and study her way of incubation. Then, if you want to get an incubator by another season you may do so. In setting your hen keep her away from other chickens so they will not disturb her. If necessary to move her you had better do so at night. Don't abuse her, but handle her very carefully. Have her new nest in readiness with clean, fresh straw and have it well dusted with

insect powder. Dust the hen also. You may now place her on the nest and let her have a few china eggs the first day or so, and if she behaves well she can be trusted with the eggs for hatching.

Have feed and water before her constantly, also a good dust box. When the hatching time arrives you tend to your business and let the hen tend to hers. Don't be always pulling her off to see how many chicks she has, or you will spoil the hatch. When through hatching remove her from the nest to a large, roomy coop.

Do not feed your chicks anything till they are at least forty-eight hours old, and seventy-two hours old is better. Give the chicks plenty of fresh water and also give grit in some form, such as fine oyster shells, sand, etc. Feed good, sound grains in sufficient quantity, but do not overfeed. For the first ten days or two weeks I would try one of the chick foods advertised. After that they can eat cracked wheat, cracked corn, etc.

Do not see how many you can raise, but see how well you can raise what you have. Do not attempt to raise too many the first year. Better raise ten good ones than one hundred poor ones. Don't go into the chicken business thinking you will "get rich quick." Do not imagine that if one hen will clear you \$1, one thousand hens will clear you \$1,000. They may, but they are more likely not to, as you do not know much about the business yet. Learn to keep a few first, then you can branch out.

To those who are so lucky as to own a pen of breeders I want to say keep them healthy and free from lice, as that is what makes strong, fertile eggs and healthy chicks. Feed dry, sound grains and make them work for it. Work for them and they will work for you.—Plummer McCullough.



## The New Model



OME weeks ago we had the pleasure of a visit with Mr. Chas. A. Cyphers, the master of incubation, the originator and manufacturer of the new line of Model hatching machinery and the head of the new Model Poultry Farm located near Buffalo. Mr. Cyphers told us of the new plan of brooding being so successfully used at his Model Poultry Farm. These brooders might be termed stationary or shelved brooders, being built in rows like shelves with several tiers for the young

plied and sold to their customers. "Success," said Mr. Cyphers, "comes through having a knowledge of that which is necessary for success." These principles applied bring success, provided they are correct. Years of experience have taught him that which is necessary for success in dealing with the artificial hatching and rearing of chicks. The application of methods proven to be accurate, combined with the best of construction, make the Model hatching and brooding machines what they are to-day.

The new illustrated catalogue just issued by this company can be had for the



MODEL SHELF-BROODING SYSTEM

chicks in each row. Here the young chicks are kept as in a nursery until fairly well started on their way, when they are removed to the piped brooder houses.

Our interest in this is aroused by the fact that the same system so successfully used at the Model Farm is applied to the incubators and brooders sent out by this concern.

This company has more than doubled their former capacity, as they have moved into their new offices and are sending out so many more of the Model machines than ever before as to feel satisfied with their efforts, as the quality of the machines is attested by the praise of those who use them.

The new Model incubators have in the greatest possible extent the most talked of features of the present time in connection with successful incubation. Their brooders are built for the preservation of the young chicks placed in their care. The principle of all their appliances is thoroughly well tested before being ap-

asking. Write to Chas. A. Cyphers, 316 Henry Street, Buffalo, N. Y., asking that a new illustrated catalogue and also a description of their Model Poultry Farm be sent you.

## What Hens Can Do

A farmer in Michigan reports the following record for ten Barred Plymouth Rocks for the year: These ten laid a total of 1,344 eggs, an average of 134 eggs each. The eggs, the surplus cockerels and a few pullets were sold for \$57.22, an average income of \$5.72 from each hen. Allowing that it costs two dollars to keep these ten hens on the back lot, there was a profitable return of \$3.72 from each hen. In the make up of these values seventy-three fowls were sold for \$39.30; the eggs were sold for \$17.92, making a total which is entirely within the possibility of every one that grows a small flock of chickens on a town lot.

Plymouth Poultry Farm, White Buff and Barred Plymouth Rocks, W. C. Black Polish, S. C. Brown Leghorns, S. P. Hamburgs, Black Langshans, and White Holland Turkeys. Get my prices on eggs. MRS. T. E. SKIVER, Kentland, Ind. 12-7

Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Robson's Buff Rocks Again Winners at Cincinnati and Springfield, Ohio. Send for mating and egg list. R. H. ROBSON, 203 N. Main St., Urbana, Ohio. 12-8

Barred Plymouth Rock and Light Brahma Eggs for hatching, \$1 for 15; \$1.75 for 30. Also some Scotch Collie Pups. Satisfaction guaranteed. JOHN Z. FAUST, Mercersburg, Pa. 12-8

White Plymouth Rocks, Fishel Strain, Cocks and females, scoring 93 3-4; eggs, \$2 per 15; 45 for \$5; express prepaid. C. A. WHIPPLE & SON, Fairchild, Wis. 12-8

Buff Rocks. Pure Nugget Strain. Eggs for hatching a specialty; \$1.25 per 15; \$2.25 per 30; \$3 per 45; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Bred to Lay—Buff Rocks Show Room Quality, good size, shape, color; heavy layers; eggs, \$1 per 13. W. B. MILLER, Box F, Denglasville, Pa. 12-8

White Rocks at Bargain Prices. Am Closing Out entire flock of breeders, scoring from 91 1-4 to 95 1-2; also young stock. Good chance to start right. FRANK PUDNEY, Kaskaska, Mich. 12-8

"M. C. S. Best" (Fishel Strain) White Rock Eggs, \$2 per 15. Won 10 premiums at Shelbyville. Guarantee one-half eggs to hatch or replace free. G. S. McAFEE & SON, Ohlman, Ill. 12-8

Silver-laced Plymouth Rocks. Choice Stock excellent layers, fine penciling. Large Wiltman cockerel in breeding pen. Eggs, \$2 per 15. G. H. TUBBESING, Red Wing, Minn. 12-9

Fishel's White Plymouth Rocks. Guaranteed stock for sale. Eggs, \$3 per 15; \$5 per 30. Write your wants. Dr. C. L. VAN OSDOL, Dillsboro, Ind. 12-9

S. C. White Plymouth Rocks Exclusively. Farm range. The ideal fowl for all purposes. Eggs for hatching, \$1 setting of 15; incubator, \$4 per hundred. MRS. L. B. WILLIAMS, Louisa, Louisa Co., Va., R. F. D. No. 4. 12-9

Barred Plymouth Rocks. Eggs from Extra Good matings, \$1.50; from prize matings, \$2 per 15. ROBT. W. HARRIS, Fredericksburg, Va. 12-8

Barred Rocks, Bred for Utility and Exhibition, \$1 per setting for eggs from large hens, good shape and color. D. N. RIEGER, Hyndman, Pa. 12-9

Riley's Barred Plymouth Rocks Are Champions, winning every first at the great Philadelphia Show. Get my mating list before buying. HENRY D. RILEY, Strafford, Pa. 13-6

Eggs from Thoroughbred Prize Winning Barred Rocks, \$2 per setting of 15; \$5 per 100. Young chicks in April, \$12 per 100. Address MRS. A. R. NORTON, Old Homestead Poultry Farm, Selden, L. I. 12-9

E. E. Pryor, Specialty Breeder, Barred Rocks, Thompson strain, and Buff Cochins Bantams, high prize winners and breeders. Stock and eggs in season. Martinsville, Indiana. 12-12

Pure-bred Barred Plymouth Rock Eggs for Hatching from prize winning strains. \$1 per 15; \$1.50 per 30. GLENN S. HARDY, Winthrop, Route 1, N. Y. 12-9

White and Barred Rocks; Heavy Layers; Fine market fowl. Ten years breeding. Satisfaction guaranteed. Eggs, \$1.50, 15; \$6, 100. R. A. GRAFF, Jamesburg, N. J. 12-9

Barred Plymouth Rocks. I Won at Morristown, N. J. Show first cock, first and second hen, second cockerel, second pullet, beating high-class blue ribbon winners of other shows. Stock and eggs. W. A. HELM, Chatham, N. J. 12-10

Tucker's White Rocks. Fishel Strain Exclusively. Eggs for hatching a specialty. White Holland Toms. Please write your wants. WHITE POULTRY FARM, Ligonier, Ind. 12-9

Woodside Farm Barred P. Rocks, as Good as grow; elegant barring; standard weight and over; both matings. Eggs, \$1.50 per 15; also Whites of best quality, same price. E. POLING, Keyport, N. J. 12-12

Steurer's Barred Plymouth Rocks and Mammoth Bronze turkeys. Birds for sale of either kind. Eggs in season. F. J. STEURER & SONS, Garden Prairie, Ill. 12-7

Barred Rocks; Prize Winners at Washington, January, 07, we won one first, three seconds. Stock and eggs for sale. Write W. L. ELSEA, Berryville, Va. 12-9

Fishel's White Rocks. Will Offer Eggs from My winners at Akron, Canton, Revanna, Zanesville, and Carrollton, for \$1.50 per 15. This pen headed by second cockerel at Washington Court House in January. Satisfaction guaranteed. H. I. BENDER, Middlebranch, Ohio. 12-9

White Plymouth Rocks Exclusively; Pure White; good layers. Eggs—\$2 per 13; \$5 per 40. H. M. GEESEY, Box F, York, Pa. 12-9

My Buff Rocks Are Prize Winners at Every Show entered. Try them and raise sure winners. Eggs, \$2 for 15. Stock for sale. RALPH BULKLEY, Box 51, Columbus, Ohio. 12-9

Buff Rocks! 2d Pen, 3d Cockerel, Buff Rock Club ribbons for best shaped and colored males, Ann Arbor, 1907. 15 eggs, \$2; 30 eggs, \$3. E. E. CALKINS, Ann Arbor, Mich, Carrier 9. 12-9

"The" 242-Egg Strain Winners! "American Hen lays 65 eggs per year." (Government Rept.)—profit 10 cents. I offer settings at \$1.50 and \$3 from hens making \$3 each, yearly profit. Golden Buff, pedigree-bred eight years. W. H. MERCER, 502 Twenty-fifth St., Detroit, Mich. 12-10

Hayner's Exhibition Barred Rocks. If in Need of stock or eggs write for circular. JAMES HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-9

Miss Ivory, Score 97 by Judge Orr, Is in Our breeding yards. Our pens are the best we have ever owned. Eggs only \$3 per setting. White Plymouth Rocks. WILSON & LEWIS, Clarksburg, W. Va. 12-9

"Nonpareil" Barred Plymouth Rocks Meet Every requirement. Line bred for over twenty years. Catalogue free. SCHWAB BROS., Box 241, Irondequoit, N. Y. 12-9

Barred Rocks Exclusively Since 1890. Ringlet and Bradley Bros. strains. Stock and eggs for sale at reasonable prices. Satisfaction guaranteed. F. S. WEINHOLD, Denver, Pa. 12-9

County Line Poultry Farm Breeds Barred Rocks and S. C. Buff Leghorns. Prize winning matings. Stock and eggs for sale. \$2 per 15. Route 10, Medina, N. Y. 12-9

Thoroughbred Barred Plymouth Rock Eggs for sale, \$1 for 15; \$4 per hundred. MISS MARGARET A. JONES, R. F. D. No. 2, Rockville, Md. 12-9

Eggs \$1.50 for 15; from My Prize Winning White Rocks. Rose-combed Black Minorca cockerels for sale, including the 2d and 3d prize birds. Write me before you buy. WRIGHT RUNSER, Ada, Ohio. 12-7

High-class White Plymouth Rocks; Bred 10 Years from one strain of consecutive winners at Madison Square, N. Y.; very large; pure white. Stock for sale. C. G. McCABE, Relay, Md. 12-7

Barred Plymouth Rocks Bred for Beauty and utility stock and eggs; choice matings. Send for circular. WM. P. CLARKSON, 308 Lemoine St., Syracuse, N. Y. 12-9

Buff Rocks, Exhibition and Utility Stock. My matings are better than ever. Eggs \$1 and \$2 per setting. HARRIS H. SCHANTZ, Richland Center, Pa. 12-9

Dulcos' Buff Rocks—Winners of 38 Ribbons in four shows—Stamford, Conn.; Lenox, Pittsfield, and Boston, Mass. Send for circular telling all about them. B. N. DUCLOS, Lenox, Mass. 12-9

Buff Rocks That Are Buff. Eggs from vigorous, free range stock, \$1.50 setting; two settings, \$2.50. JOHN H. HELLERMAN, Doylestown, Pa. 12-7

Thompson's Barred Rocks. Cocks \$5, Cockerels, \$5; hens and pullets, \$2 and \$3; eggs, \$3 per 15; \$5 per 30. Fishel's White Rocks. Cockerels \$3 to \$5. Fishel would not duplicate for \$10. Hatched from Fishel's 10 eggs. Selling cockerels cheap to close out. No females for sale. Eggs—\$3.50 per 15; \$6 per 30. THE MARYLAND POULTRY FARM CO., Incorporated, Annapolis, Md. 12-9

Exhibition Barred Rock Stock Birds for Sale; eggs \$5 per setting. Free catalogue. Address, MAIT W. BALDWIN, Sioux City, Iowa. 12-9

White's Plymouth Rocks—Typical Birds, Great layers. Eggs from pen headed by Henry, winner of first at Central New York Fair, \$2.50 per 15. Eggs from prize winning pens, \$1 and \$2 per 15. FRED R. WHITE, Roseboom, N. Y. 12-9

Buff Rocks (Nugget Strain). Eggs from Solid Buffs; male scored 92½ by Hewes; \$2 per 15; trap nests used. L. S. RASMUSEN, Rock Island, Ill. 12-8

Buff Rocks Only—Nugget Strain—Eggs from Selected flock headed by males scoring 90½ to 92½, \$1 per 15; \$1.75 per 30; \$4 per 100. Breeding pens score 91 to 94, \$2 per 15. Scored by Chas. McCleave. MISS NORA KIGER, Route 5, Marion, Ohio. 12-8

Barred Plymouth Rocks, 2d Hen, 6th Cock, Boston, 1906. Eggs, special matings, \$3 per 15; \$10 per 100. Stock at all times. J. C. MACCOMBER, Reading, Mass. 12-8

White and Barred Plymouth Rock Eggs for hatching from fine stock raised on free range at ELLIS BURKET'S POULTRY FARM, Route 1, Frenchtown, N. J. 12-8

Buff Plymouth Rocks. Choice Cockerels and Pullets, \$1.50 to \$2; trios, \$5; eggs, \$1.50 for 15; 30, \$2.50. J. W. SILCOTT, Blumont, Va. 12-7



Eggs! Eggs! Eggs! From McCullough's White Plymouth Rocks. Direct from Fishel. No better blood in all America. Six grand pens mated. 1907 mating list now ready. No bluff. Just quality. You know me. Eggs—only \$2 per 15; \$5 per 45; \$10 per 100. Correspondence cheerfully answered. Write to-day. COOLSPRING POULTRY YARDS, Plummer McCullough, Proprietor, Route 2, Box 68 H. Mercer, Pa. tf

Hillcrest Farm's Silver-penciled and Partridge Plymouth Rocks; winners at World's Fair, Madison Square Garden, Philadelphia, Washington, Trenton, and Wilkes-Barre. Stock for sale. Eggs \$3 per setting. Mention The Feather for an extra egg. Free catalogue. WM. F. FOTTERALL, Oakford, Pa. 12-9

## LEGHORNS

50c per Doz.; \$3.50 per 100. Wyckoff Strain. W. Leghorn eggs. New illustrated free. BISHOP'S POULTRY FARM, West Cheshire, Conn. tf

Greatest Profit Payers. My S. C. White Leghorn flock average 162 eggs per year on 80 cents, cost of feed. Eggs—\$1 per 15; \$5 per 100. White Wyandottes, same price, same quality. G. A. JOYNES, Langdon, D. C. 12-9

Single-combed White Leghorns. Eggs for Hatching and little chicks from line standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

For Sale.—S. C. White Leghorns, Wyckoff Strain. Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-9

Single-combed White Leghorns (Specialist)—I have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. SAMUEL S. BLIEM, R. D. No. 5, Pottstown, Pa. 12-10

For Sale—Fine Lot of Buff Leghorns, Cockerels, and Pullets for breeders, which I guarantee to please purchaser. Catalogue free. CLARENCE SHENK, Luray, Va. 12-7

Leghorns—Single-combed White, Brown, Buff, and Rose-combed White, and Brown. Eggs 15, \$1; 100 \$5. MRS. S. RIDER, Maryland, Otsego Co., N. Y. 12-7

Rose-combed Brown Leghorns Exclusively. Eggs from farm raising stock that will produce winners, \$1 per 15; \$5 per 100. KENNEL BROS., Atglen, Chester Co., Pa. 12-7

My S. C. Brown Leghorns Are Standard Bred and great layers. Eggs \$1 per 15. S. V. WILLIAMS, Union Bridge, Md. 12-7

Gold Dust Rose-combed Buff Leghorns (Original) Greatest egg producers in cold weather of any breed on earth; also the most beautiful, largest breeder, finest flock in the world (circular). F. BOOMHOWER, Gallupville, N. Y. 12-7

Single-combed White Leghorns—Two Hundred Breeders scoring 91 to 95. Fine white birds. Eggs four cents each. WEJA LEGHORN FARM, Box 31, Kenton, Ohio. 12-7

Single-combed Buff Leghorns (Wyckoff Strain) Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Cahill St., Lynchburg, Va. 12-10

R. C. Brown Leghorns (Kulp's Female Line) Eggs from pens, having free range, \$1 per 15; cockerels \$2 each. WM. GAFFEY, South Worcester, N. Y. 12-7

Grand Cockerels, R. W. Leghorns, R. Buff Leghorns. Eggs from three prize matings of Reds and R. W. Leghorns. A. G. GILLETTE, Gloversville, N. Y. 12-7

Single-combed White Leghorn Eggs \$1.50 per 15. Winners at this winter's shows. Birds in breeding pens score over 90. Satisfaction guaranteed. ROBERTS POULTRY FARM, Salem, Mich. 12-7

Exhibition Single-combed Brown Leghorns, Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, Jr., South Bound Brook, N. J. 13-4

Prize Winning Single-combed White Leghorns and Silver-spangled Hamburgs. Eggs \$1.50 per setting. WAVERLY GAME YARDS, Jos S. Knapp, Waverly, Baltimore, Md. 12-7

Blue Ridge Poultry Yards. S. C. White Leghorns exclusively. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1.50 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9

Rose-combed Buff Leghorns—Stock and Eggs, C. S. CRUMBLING, Marysville, Pa. 12-7

Eggs \$4 per 100. Rose-combed Brown Leghorns; exclusively high scoring prize stock. Eggs guaranteed fresh and fertile. F. BUSHELL, Chatham, N. Y. 12-7

R. C. White Leghorns.—Few Good Birds for sale. Winners at Newark, Dover, and Morristown. Eggs \$2 per 15. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Single-combed White Leghorns (Blanchard Strain) Silver-spangled Hamburgs; good layers. Eggs \$1.50 per 15; \$2.50 per 30; \$6 per 100. H. JOHNSON, Troy, Pa. 12-7

America's Best Single-combed Buff Leghorns—Arnold's, Lamons, Cornell, and Wyckoff strains. Eggs \$1 per setting; cockerels for sale. BUFF LEGHORN POULTRY YARDS, Annville, Pa. 12-7

Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

R. C. White Leghorns, Eggs, \$150 per 15, \$2.50 per 30, \$6 per 100. No stock for sale until fall. R. W. PRICE, Troy, Pa. 12-10

Pent's Single-combed Buff Leghorns, Waynesboro, Pa., Box 57, Route No. 2. 12-7

Rose-combed Buff Leghorns.—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Rose-combed Brown Leghorns. Try Tabor's 220 eggs and exhibition strain; New York 1st ck, 2d ck; Boston, 1907, 1st hen, 1st pullet, 2d and 5th ckls; Johnstown, 1st and 3d ckls; Auburn, 1st ck. Catalogue eggs. F. C. TABOR, Worcester, N. Y. 12-7

Single-combed Brown Leghorns. Stock and Eggs from Hagerstown, Littitz, and Dallastown winners. Before placing your order write for prices. S. J. HARLACHER, Hanover, Pa. 12-7

Black Leghorns, Yellow Legs, None Better in America; also Duckwing Leghorn; winnings furnished on application; stock and eggs for sale. GEO. GRANDY, Johnstown, N. Y. 12-7

Rose-combed White Leghorns Exclusively—20 years breeding. Ribbon winners 9 leading shows, including Madison Square Garden, Indianapolis, Hagerstown, Johnstown, and others. Our birds have small low combs, good size, shape, and color. Several of the finest pens mated with winning males. Can guarantee 9 chicks and prompt delivery. Mention The Feather. Eggs, \$1 per 15; \$3 per 50; \$5 per 100. A. C. NESTER & SON, Pottstown, Pa. 12-7

Single-combed White and Brown Leghorns, Pekin and Indian Runner Ducks. Eggs, \$1 per setting. Incubator lots special price. Toulouse Geese. FAIRFIELD FARM, Nokesville, Va. 12-7

Single-combed Buff Leghorns Exclusively. Winners and grand egg producers. Eggs in season. Stock for sale. M. C. SWARTWOUT, Box 200, Groton, N. Y. 12-7

1200 Pure Bred S. C. White Leghorns, Large egg strain, on farm of 135 acres. No stock for sale until fall. Orders booked now for eggs for hatching. HICKORY HILL POULTRY CO., Troy, Bradford Co., Pa. 12-7

Rose-combed White Leghorns Exclusively. Eggs from best pens, 15 \$1.50; 50 \$3.50; from utility stock, 100 \$4; satisfaction guaranteed. R. H. DAVIS, Unionport, Ohio. 12-8

20 Single-combed Brown Leghorn Eggs, \$1; \$4.50 per 100; farm range; 10 hens, 1 cockerel, \$12; 10 other varieties at reasonable prices. M. D. DETWEILER, Box F, Sellersville, Pa. 12-8

White, Brown, and Buff Leghorn Eggs, 15 \$1; 100 \$4. Buff and Partridge Wyandottes, 15 \$1; 100 \$6. INN LAWN POULTRY YARDS, Joe Clem, Prop., Luray, Va. 12-8

Leghorns—S. C. White, Buff, Brown. Winners at Frederick and Dallastown, in strong competition; excellent layers; stock second to none in quality. Write for prices on eggs. CHAS. BOSTON, New Midway, Md. 12-8

Mrs. C. W. Harrington, Harford Mills, N. Y.—S. C. Buff Leghorns exclusively. Winners of club cup and 3 special club ribbons in 1904; winners of blue ribbons at State Fair, Dryden, and Wilkes-Barre, Pa., in 1906. Eggs, \$2 per 15; incubator eggs; stock for sale. 12-8

(Blanchard-Wyckoff) Single-combed White Leghorns. Strains pure, separate. Choice breeding stock from these wonderful laying strains. Shipping choice hatching eggs and day-old chicks a specialty; safe arrival guaranteed; circulars. C. N. REYNOLDS, Canton, Pa. 12-8

Standard and Utility Bred White and Buff Leghorns. Eggs, \$1.50 per setting; \$5 per 100. MARYLAND POULTRY & EGG FARM, Laurel, Md., Karl L. Heumann, Mgr. 12-8

My Pedigreed S. C. W. Leghorns Won Every 1st in class at Oelwein, Ia., Poultry Show, Jan. 28-31. Score to 95; pen, 186 4-16; Russell, Judge. Eggs for hatching, exhibition matings, \$2.50 per 15; straight utility matings, pure bred, selected layers, \$1 per 13; \$2 per 30; \$4.25 per 100. One cock bird, score 89, \$3.50; fine condition. ORCHARD HILL POULTRY FARM, W. A. Bright, Prop., Randallia, Ia. 12-8

Single-combed White Leghorns. We Breed Our own winners. Two firsts on two entries at Schenectady, 1907. Others winners. Eggs, from best matings, \$1.50 per 15; \$7 per 100. Inferior replaced free. Circular. MAPLE HILL FARM, Route 3, Fort Plain, N. Y. 12-8

## Prairie State Hatching Machinery



OODS of any class or kind that can stand the test of time must be accepted as of lasting quality. For years and years Prairie State incubators and brooders have been quite as well known as artificial incubation itself. For the year 1907 this company has made remarkable improvements, the result of years of testing their product in comparison with the mother hen herself.

Many features of artificial incubation have been introduced which lead away from the natural methods. The Prairie State people have continually carried on their experiments along the line of what the hen has taught them. It is scarcely necessary to go over the ground of how the mother hen manages her clutch of eggs. This is most strikingly told in the illustrated catalogue of 1907 just issued by the Prairie State Company. Every one who does not possess one of these catalogues should write at once to the Prairie State Incubator Co., at Homer City, Pa., and secure a copy, which should have his most careful attention. There are so many new things set forth in these catalogues that no matter whether you have a former one you should not fail to secure a copy of the 1907 catalogue just issued.

In these catalogues are presented the results of the most carefully made experiments that have been carried on for years. Colony houses, brooder houses,

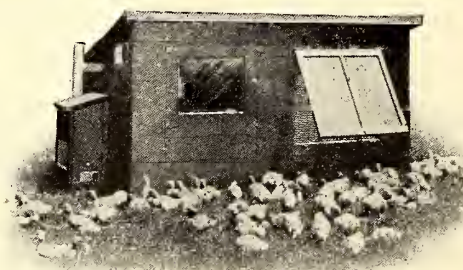
outdoor brooder houses, indoor brooder houses, and the new Prairie State Universal hovers are matters of so much interest that every one should read of them.

At Boston, Mr. Nix delivered a lecture



A PRAIRIE STATE INCUBATOR

on artificial incubation, which has attracted attention the world over. Experimenters throughout the world have taken up these ideas and are trying them with much interest in the outcome. Many of these features will be found in the pages of the new catalogue. Write and say to the company that THE FEATHER tells you you can have these catalogues free, and thus obtain a copy.



## Running the Incubator

Nothing more interesting can be imagined than running an incubator. We have known them to be placed in every portion of the house from the cellar to the bedroom and parlor. A doctor, living in the outskirts of Brooklyn, who depended largely on the practise that came to his office during the hours that intervene between 10 p. m. and daybreak, purchased a small-sized incubator, which he kept running continually in his office. It served him as amusement when not otherwise occupied, and when he went to sleep at daybreak, other members of the family watched it during the day. These people reared three broods of chicks from this incubator in the brooder that they placed in the small city back lot. All the eggs used were purchased in the market from farmers who brought them from Long Island to sell.

This is simply one instance of pleasure gained through running the machine. Thousands of people all over the world are busily employed during the early spring months in hatching and rearing chicks, ducks, and water-fowls through the use of these machines.

The incubator has become as much of a necessity as the sewing machine and the carpet sweeper. One could scarcely keep house in the rural districts or in the outskirts of a town without them. Their construction is so simple and they can be managed so easily that even the young people can be successful with them.

The incubator has removed all possible chance for consideration of time and place. Chickens may be hatched out any season of the year and cared for in the brooder in almost any locality, from the basement floor or the cellar to the garret.





## Business World

We have a report from Mr. A. D. Burhans relative to the great show in 1907 held in Lincoln, Neb. Mr. M. M. Johnson is president, and shows a determination to make this one of, if not the greatest, of all Western shows. We wish the state of Nebraska all the success possible in such a venture.

Mr. Wm. Sawyer, Jr., secretary-treasurer of the Cornish Indian Club of America, reports a most satisfactory meeting of this club at Chicago during the recent show. Mr. Chas. S. Brent was elected president, and Mr. Sawyer, secretary. Indian Games are becoming more prominent each season in the show room.

The National White Wyandotte Club held a most successful meeting in Mechanics' Hall, Boston, during the week of the show, President Graves presiding. Secretary Hallock, of St. Louis, will be glad to furnish full information to all interested in White Wyandottes.

The American Plymouth Rock Club held their annual meeting in Chicago during the great Chicago Show. Dr. Bennett was elected president, and H. P. Schwab continues as secretary-treasurer. This club is doing a great work for Barred Plymouth Rocks. May this work continue so long as Plymouth Rocks are bred.

Chick foods are an absolute necessity for the growing of young fowls. Messrs. Darling & Co., of Chicago, whose advertisement will be found in our columns, are paying unusual attention to the preparation of poultry foods of all kinds, especially foods for young chicks and laying hens. You may address them either at Chicago or New York. If you will mention THE FEATHER they will send you one of their beautiful illustrated books.

The Trenton Incubator Co. has greatly improved their incubators and brooders. They have formed a new company, at the head of which is Percy A. Cook, of Scotch Plains. These people are pushing forward for great business, and are prepared to furnish all our readers with their attractive new catalogue telling of all their new and beautiful machines.

We have a letter from Secretary Roberts, of the Boston Show, in which he states that the Silver Wyandotte hen entered by E. H. Morris, of Sparkhill, N. Y., and No. 573 in the catalogue, was awarded first prize at the Boston Show held January 15, last.

Bradley Brothers, of Lee, Mass., those who have the world's record of the last eighteen years, winning on Barred Plymouth Rocks at Madison Square Garden, offer the finest lot for sale that they have ever been able to breed. Their strain of cockerel and pullet bred Barred Plymouth Ricks is known the world over. Every one interested in this variety of fowls should have the Bradley Brothers' circular telling of their mating and full information as to the sale of birds and eggs for hatching. Study their adver-

tisement in the columns of THE FEATHER and write them at once.

Star incubators, brooders, and chick foods have become strongly identified as successful necessities in the growing of chicks. At the office of the Star Incubator Company, 608 Church Street, Bound Brook, N. J., they have a lot of beautiful printed matter ready to be forwarded to you if you will only drop them a postal card and send a request for same. From this literature on poultry growing secrets of success may be gleaned.

All poultrymen are more or less interested in growing fruit trees of all kinds. It has become an absolute necessity to spray fruit trees from which it is hoped to gain a reasonably fair crop of fruit during the year. The many ailments and insects that attack fruit trees make the spraying imperative.



In the columns of THE FEATHER will be found the advertisement of Deming Co., of Salem, Ohio, who manufacture spraying apparatus of all kinds. Knowing as we do the value of such utensils to the growers of fruit, we present this proposition for the consideration of our readers, from the fact that we in our columns teach the principle of growing fruit, poultry, bees, and squabs upon the successful poultry plant, and we desire that they should have good returns from the fruit trees.

Harvey Seed Co., 705 Ellicott Street, Buffalo, N. Y., offer at wonderful bargains all kinds of poultry supplies, including their world-renowned Electric Poultry Food, and Cut Alfalfa Hay. Write them at once for their catalogue, which advances many new ideas in poultry culture.

Those growing fowls should write at once to the O. K. Stock Food Company, 621 Monon Building, Chicago, Ill., for their new book telling where the profits in poultry growing go. There are many things new in poultry culture with which we are not all of us familiar. Send for their catalogue and be enlightened.

We received the other day from Dr. Paul Kyle, Flushing, L. I., some feathers taken from a pair of Buff Orpingtons, the color of which was so beautiful as to attract more than passing attention. They possessed the real buff color.

The Amatite Roofing needs no paint. This is why the Barrett Mfg. Co., of New York, Chicago, and Boston sells so much. They will gladly send a sample of this roofing to every reader of THE

**McElheney's Single-combed White Leghorns and Single-combed Rhode Island Reds** and prize winners and egg machines. Eggs, from prize matings, \$2 per 15; \$3.50 per 30; \$5 per 50; \$8 per 100; utility flock, \$5 per 100. **McELHENY'S POULTRY FARM, Box E, Cuba, N. Y.** 12-8

**Single-combed White Leghorns—Knopp Strain—**From prize winners; stock for sale; eggs, 15 \$1; 100 \$5; satisfaction guaranteed. **MRS. R. E. LILLY, Angelica, N. Y.** 12-8

**Rose-combed Buff Leghorns Exclusively (Layers and winners).** Our breeders are carefully selected and mated. Eggs, \$1.50 per 15. **POOL BRO., Fallston, N. C.** 12-8

**Rose-combed Brown Leghorns—Prize Winners,** bred 17 years exclusively; size, quality, beautiful, unequalled layers; 15 eggs, \$1; 45, \$2.50. **W. C. RUMMEL, Columbiana, Ohio.** 12-8

**C. H. Wilcox, Worcester, N. Y.** My Buff Leghorns at Boston, two entries, won 2d cockerel, 2d hen; Johnstown, 1st and 2d cockerels; stock and eggs. 12-8

**Single-combed Brown Leghorns Exclusively—Bred to lay; fertility guaranteed; prompt shipments.** Eggs, 15 \$1; 30 \$1.50; \$4 per 100; reference; Adams Express Company. Circular. **MELVIN HILLS POULTRY FARM, Newington, Fairfax County, Va.** 12-8

**S. C. White Leghorns.** Hundreds of Select, high scoring, heavy laying birds. Wyckoff strain, in free range colony-houses. Eggs, 15 for \$1; 50 for \$2.50; 100 for \$4. Circular. **CLOVERNOOK FRUIT FARM, Chambersburg, Pa.** 12-8

**Rose-combed Brown Leghorns Exclusively.** Eggs, \$1 for 15; \$4 per 100. **MARY E. ROBERTS, R. No. 2, Box 21, Nottingham, Pa.** 12-8

**S. C. B. Leghorns (Forsythe Strain).** Barred erels and eggs for sale. For show records and prices address **MRS. H. R. SCHLOTZHAUER, Pilot Grove, Mo.** 12-8

**S. C. B. Leghorns (Forsythe Strain).** Barred Rocks—Park strain. Eggs, \$1.50 per setting; \$5 per 100. **CHAS. C. WINE, Route 1, Mt. Sidney, Va.** 12-8

**Arnold's Strain Buff Leghorns—Eggs, \$2 per 15.** Knip's strain. Rose-combed Brown and Single-combed White Leghorns. Eggs, \$1 per 15; \$5 per 100. **C. C. KIMMEL, Dillsburg, Pa.** 12-8

**Schilling's S. C. Buff Leghorns Won at Madison Square, 5 ribbons on 5 entries, including shape special on female.** Eggs, \$3 for 13; two settings \$5. **B. O. SCHILLING, 443 Central Park, Rochester, N. Y.** 12-8

**Schleeder's S. C. White Leghorns. Breeding Pens** score from 94 3-4 to 96 1-4; winners in hottest competition; eggs gathered three times each day. **ANN ARBOR POULTRY YARDS, Ann Arbor, Mich.** 12-8

**Rose-combed Buff Leghorns, Solid Buff Matings,** eggs, \$1.50 per 15. Circular. **JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa.** 12-9

**Single-combed Buff Leghorns—Grand Color and shape; good layers; stock for sale; 15 eggs, \$1.** **M. M. BRASS, Niagara Falls, N. Y.** 12-8

**Single-combed White Leghorn Eggs from Winter layers, selected from trap nest. Write for circular.** **J. SMITH, Lovett, Ind.** 12-8

**Listen! D. L. Schrock, Archbold, Ohio, has Rose-combed Brown Leghorns and White Plymouth Rocks, noted strains; eggs, \$1 per 15; also Duroc Jersey swine.** 12-8

**Leghorns, Single-combed Buff and White, Black Minorcas,** are bred to win and lay; 15 eggs \$1; satisfaction guaranteed. **MERVIN WINTRODE, Littlestown, Pa.** 12-8

**S. C. White Leghorn Eggs from Choice Matings** a specialty for hatching at farmers' prices, 75 cents for 15. **R. L. SEITZ, R. 2, Glen Rock, Pa.** 12-8

**Eggs from Exhibition Stock, S. C. White Leghorns, headed by cock that won first wherever exhibited in fall of 1906.** S. C. Black Minorcas, yard headed with 9-lb. cockerel direct from Northrup; mating list free. **CHARLES E. SHRINER, Taneytown, Md.** 12-8

**Our 244 Egg Strain. Single-combed White Leghorns.** From selected stock. Fifteen eggs for \$1.48. **SOUTHERN POULTRY FARM, R. No. 1, Woodleaf, N. C.** 12-8

**Rose-combed Buff Leghorns; Great Layers; Large birds, good combs, rich golden buff color.** 15 eggs, \$1.50. **LEONARD A. WALTHAM, Route 44, New Albany, Pa.** 12-8

**Rose-Combed Brown Leghorn Eggs, Cockerels, hens and pullets.** Exclusively Kulp's strain of great layers. Write for prices. **Sand Hill Poultry Farm, MRS. THOS. COLE, Piercetown, Kosciusko Co., Ind.** 12-8

**Single-combed Buff Leghorn Eggs for Hatching,** 45 for \$2.50; also egg boxes and baskets at low prices. **HILLSIDE POULTRY FARM, Cortland, N. Y.** 12-8

**Single-combed Brown Leghorn Eggs for Hatching,** also for incubators, from fine, pure-bred show birds. Satisfaction guaranteed. Write for circular. **C. JACKSON, Buchtel, Ohio.** 12-8

**Little Chicks from Heavy-laying, Prize-winning, farm-raised, Rose-combed Brown Leghorns, 10 cents each (Kulp).** Nothing less than twenty-five. Eggs: \$1 per 15; \$5 per hundred. **LEON L. HOUGH, Box A, Canisteo, N. Y.** 12-8

**Beauty and Utility. Standard Buff and White Leghorns and White Wyandottes.** containing blood of best strains. Eggs, \$1.25 per 15. **WALL POULTRY CO., Savona, N. Y.** 12-8

**Eggs from "Sheldon's Famous" Rose-combed White Leghorns, \$1 per 15; \$5 per 100.** **MAPLE GROVE POULTRY YARDS, C. M. Sheldon, Prop., Ira, N. Y.** 12-8

**R. C. Brown Leghorns; 242 Egg Strain; Direct from Kulp's Yards.** Limited number of settings at \$1 per 15. **WM. L. HOWELL, Box S, Genesee, N. Y.** 12-8

**Rose-combed White Leghorns; Winners at Nebraska State Show, 1907.** Special prices on cockerels. Eggs in season. Write me for mating list and prices. **EVERGREEN FARM, O. O. White, Propr., Route No. 2, Clay Center, Nebr.** 12-9

**Lynd's Single-combed Brown Leghorns.** Eggs from prize winning matings at \$2 per 15. Winners at Albany, Schenectady, and Cambridge. **ALBERT LYND, Nassau, N. Y.** 12-8

**Frank I. Bennett Poultry Yards. Single-combed Buff, White, Black, Pyle, and Silver Duckwing; Rose-combed Buff, Brown, Pyle, and Silver Duckwing Leghorns.** Eggs, \$1.50 to \$5 per 15. Write for circular. **FRANK I. BENNETT, Mgr., Point Pleasant, N. J.** 12-8

**Single-combed White Leghorns, Show Birds, Stay-white kind.** Stock cheap. Eggs in season. Satisfaction guaranteed or money refunded. Write wants. **FRED BAER, Kutztown, Pa.** 12-8

**White House Poultry Farm Has 500 S. C. White Leghorns.** If you want any stock or eggs, write to-day. **G. F. CUSTIS, Propr., R. No. 9, Findlay, Ohio.** 12-8

**Rose-combed Buff Leghorns; Winners at Four shows of 18 firsts, scoring to 92 1-4.** Send for circular. Cockerels cheap. **PAUL G. PITT, Watertown, S. D.** 12-8

**Black Leghorns, Rose and Single-combed, Exhibited at Trenton State Fair and Madison Square Garden, N. Y.** Write for booklet of information. **EDWIN SITGREAVES, Phillipsburg, N. J.** 12-8

**Eggs from Single Buff Leghorns—A-No. 1 Stock, solid Buff—\$1 for 15.** Stock for sale. Reasonable. **C. E. WILCOX, Cortland, N. Y.** 12-8

**S. C. White Leghorns. Winners at Rochester, Syracuse, Utica, Frankfort, Schenectady, and Albany.** Eggs from special matings, \$2 per 15; \$3 per 30; incubator eggs, \$6 per 100. **G. S. MOORE, Box 107, Trenton Falls, N. Y.** 12-9

**Our S. C. White Leghorns Possess Individuality, vigor, beauty, and are bred to lay.** Eggs for hatching, \$1.75 per 15; \$4 per 45; \$7 per 100. Incubator chicks, \$2 per dozen; \$12 per 100. **BIRCHWOOD POULTRY FARM, Box 417, Fishkill, N. Y.** 12-7

**Single-combed White Leghorns—Heavy Winter layers.** I won first, second pullet, second, third hen, third cockerel at Providence, December, 1906; choicely mated trios \$4 and up. Laying pullets, \$1. Eggs, \$1, \$2, \$3 per 15. If you want quality, write **RALPH E. TAYLOR, Hope Valley, R. I.** 12-7

**S. C. White Leghorns. Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2.** **W. J. BLAKE, Burnside, Conn.** 12-11

**S. C. Buff Leghorns. The Real Thing, None Better.** Eggs, \$1 per 15. **G. L. FERGUSON, Arnot, Pa.** 12-8

**McConnell's Single-combed Buff Leghorns Wins at Salem, Uniontown, and New Castle; a few good cockerels and eggs for hatching.** **S. F. MCCONNELL, Beaver, Pa.** 12-8

**Maple Grove Poultry Farm—Single-combed Brown Leghorns, winners at Boston, Washington, Rochester, Erie.** Have catalogue, tells all. **L. O. BROMLEY, Silver Creek, N. Y.** 12-8

**Single-combed White Leghorns Exclusively.** Stock and eggs for sale. Large size; persistent layers; bred for vigor, vitality, laying qualities. **OVERBROOK POULTRY FARM, H. T. Stickney, Jay, N. Y.** 12-8

**\$1 Buys 17 S. W. White Leghorn Eggs from prize winning 200-egg strain hens.** **BLUFF LODGE POULTRY YARDS, Washington, Mo.** 12-8

**Breeder of Single-combed Buff Leghorns Exclusively for 7 years.** Arnold strain. Eggs—\$1 per 15; \$1.75 per 30; \$3 per 100. Stock in season. **MRS. J. FRANK CARNAHAN, R. 3, Adrian, Mich.** 12-9

**Black Leghorns; Osborne's Strain Direct.** Send for winnings Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. **BROCKVILLE POULTRY YARDS, Brockville, Ont., Canada.** 13-6

**S. C. W. Leghorn Eggs, \$1.50 per 15; from Standard bred hens and 7-lb cockerels.** My strain are pure white and lay extra large eggs. **JOS. M. ROBINSON, Saugerties, N. Y.** 12-9



3,000 S. C. White Leghorns, Standard Birds. Large, and bred for heavy egg production. Eggs for hatching from yearling hens, only \$2 per 15; \$8 per 100. BELLE HILL WHITE LEGHORN RANGE, Elkton, Md. 12-9

Rose-combed Leghorns. Cockerels Fine, Large, vigorous birds. Right shape and right color. Also R. C. Buff Orpingtons. Don't fail to get my prices. Eggs in season. Orders booked now. D. N. KLOPFENSTEIN, Grahll, Ind. 12-9

Rose-combed White and Brown Leghorns; No Better to be had; eggs, \$1 per 15. Mrs. D. S. PRATT, Maryland, Otsego Co., N. Y. 12-7

Brainard's High-scoring S. C. W. Leghorns. Bred for eggs and standard requirements. Eggs, 15, \$2; 30, \$3; 100, \$6. If you mean business, request convincing photographs. Stock all sold. MRS. C. E. BRAINARD, R. No. 4, Quincy, Mich. 12-9

Rose-combed Brown Leghorns, 4 First, 5 Entries. Eggs, \$1 and \$2 per 15. A few cockerels left. W. H. CROOKS, Judson, Ind. Route No. 1. 12-9

Blue Ribbon Winners at Harrisonburg and Richmond. Brown and Buff Leghorns, White Rocks. Eggs, \$1 setting. Circular free. J. N. COFFMAN, Edinburg, Va. 12-9

Single-combed White Leghorns, Blanchard Strain. White Plymouth Rocks, Flishel strain. SHAW FARM POULTRY YARDS, L. G. Gillespie, proprietor. R. F. D. No. 1, Rouseville, Pa. 12-9

Rose-combed Brown Leghorns Exclusively. Eleven years America's heaviest egg producers. Special finest cockerels, hens; rock bottom prices. Hatching eggs, 15, \$1; 100, \$4. WILLIAM SCHLUEB, Jamesport, N. Y. 12-9

Rose-combed Buff Leghorns Exclusively. Prize winners. Heavy winter layers. Send for circular telling about their good points. H. J. FISK, Falconer, N. Y. 12-7

R. C. Buff Leghorns Exclusively; Eggs from winners at Rochester and Auburn, \$2; pen No. 2, \$1.50. H. S. LENT, Holley, N. Y. 12-9

S. C. Brown Leghorns. I won 4 Firsts in Strong competition at Sun Prairie, Wis., Jan. 23, 1907. Eggs from prize winners, \$2 per 15; \$3.50 per 30 Satisfaction guaranteed. M. I. MICHAELSEN, R. 2, Mt. Horeb, Wis. 12-9

Wyckoff's Laying Strain Single-combed White Leghorns; 13 eggs, \$1. Aug-Dec. cockerels for sale at \$1. SANDY KNOLL POULTRY YARDS, Evendale, Pa. Box 43. 12-9

Rose-combed Brown Leghorns. Grand Layers. Eggs, \$1 per setting. Plt Games, \$1.50; handsome cherry red colors, line-bred. Address, S. H. EVERETT, Stockton, N. J. 12-9

Single-combed White Leghorns (Wyckoff). Vigor, business, beauty, unexcelled. 15 eggs, \$1; 100, \$5. Special mating, 15 eggs, \$1.50. E. E. BUSH, Royersford, Pa. 12-9

Rose-combed Brown Leghorns. Eggs for Hatching, from good matings, \$1 per 15; \$4 per 100. Heavy layers. Good size. FLOYD DADISMAN, Independence, W. Va. 12-9

Rose-combed Buff Leghorns. Pure Gold Strain. Three firsts, Delavan, 1906. Eggs, yard 1, \$2 per 15; yard 2, 3, and 4, \$6 per 100. O. E. DAVIS, Walworth, Wis. Box D. C. 141 12-9

Single-combed Brown Leghorns. Silver Cup Winners at Pittsburg, Allegheny, Salem, Canal Dover, East Palestine, and Cincinnati. Fine cockerels, hens and pullets for sale. Eggs, \$3 per 15. FRED H. COOK, Beaver, Pa. 12-7

Single-combed Brown Leghorn Eggs for Hatching. From the best of stock. Write for mating list and show record. CHAS. O. MIERS, 609 S. Main St., Bangor, Pa. 12-9

Rose-combed White Leghorns Exclusively. Fine, large thoroughbred birds. Large eggs and plenty of them. 15 eggs, \$1; 100, \$5. ELLA WALTMAN, New Albany, Pa. 12-9

Rose-combed White and Rose-combed Brown Leghorns. Eggs from fine matings, 15, \$1.50; 30, \$3; 100, \$7. J. W. COOK, Route 7, Bluffton, Ind. 12-9

Again at New York and Boston My Birds Show their superiority, winning for Elm Poultry Yards at New York 17 ribbons on 12 entries, including 1st White Wyandotte Pullet, Champion White Wyandotte female, and gold special for best Wyandotte in exhibit, any variety; also specials for shape and color. My White Leghorn cockerel was pronounced the best Leghorn ever shown, winning special for best Leghorn, any variety, in exhibit. Then at Boston, two weeks later, with single entries in each class, "Butterlegs," one of my four special cockerel mating pen breeders, won first cock, defeating there the first prize cock at New York, two weeks previous. I also won first cockerel and first pen, \$20, color special on White Wyandottes. On White Rocks, have won champion male twice at Boston, and they are of high order, as are also my Minorcas, Barred Rocks, Brown Leghorns, Rhode Island Reds, Orpingtons, and Brahmas. Eggs, special exhibition matings, \$10, 12. Regular exhibition matings, \$5, 12; \$10, 36; \$20, 100; or laying matings (thoroughbred), \$2, 12; \$8, 100; or little chicks, \$15, 100. Catalogue free. ELM POULTRY YARDS, Box 31, Hartford, Conn. Established 1888. 12-8

S. C. Brown Leghorn Eggs, \$1 for 15 (Kulp strain) From Cobleskill. First prize winners. Houdans, cockerels for sale, \$1 each. Correspondence solicited. LESLIE D. SMITH, Charlotteville, N. Y. 12-9

Kugler's Buff Leghorns. For Buffs That Are Buff look up my ad on back cover. Eggs for hatching. Send for mating list. JAS. KUGLER, Jr., Frenchtown, N. J. 12-9

Eggs for Hatching—White Leghorn and White Wyandotte; fine egg laying strain—eggs \$2 per fifteen; \$5 per fifty. A. CAMPBELL HERRICK, Washingtonville, N. Y. 12-9

S. C. W. Leghorns. 100 Pullets for Sale. Eggs for Hatching—15 for \$1.50; 100 for \$6. Day-old chicks, \$15 for 100. Address C. B. KROGMANN, Jr., 2002 Fourth St. N. E., Washington, D. C. 12-9

Single-combed White Leghorns; Prize Winners at Olean, Bradford, Sharon, Erie, and Rochester, N. Y. Breeder 20 years. Egg bargain. Circular free. W. GRAY, Warren, Pa. 12-9

Single-combed White Leghorns. Many Years a breeder and exhibitor; winning my share. Eggs, \$1 per 13; \$5 per 100; J. A. SHINEMAN, Canajoharie, N. Y. 12-9

Rose-combed White Leghorns—Kulp-Stafford Strain—premier layers. Large white eggs for hatching from free range stock. JOS. F. R. BONIFACE, Morristown, N. J. 12-9

Single-combed Brown Leghorns Exclusively. Send for my 18 years' show record and convince yourself that I have won more prizes than any other breeder in the West. Eggs, \$1.50 and \$2 per 15. C. F. LANG, La Crosse, Wis. 12-9

R. C. W. Leghorns. Eggs from Grand Winter layers on free range, \$1.50 setting; two settings, \$2.50. JOHN H. HELLERMAN, Doylestown, Pa. 12-7

S. C. White Leghorns—E. G. Wyckoff Strain—Eggs—\$1 per 15; \$5 per 100. Little chicks, 10 cents. Stock for sale. Honorable treatment. Circular. LOCUST POULTRY FARM, Canton, Pa. 12-9

S. C. Buff Leghorns, Solid Buff Color; Good Size; prize winners; stock for sale; \$1.50 for 15 eggs. GEO. Z. FOLAND, Philmont, N. Y. 12-8

S. C. B. Leghorns. We Own To-day Some of the largest in the world. A. N. MURPHY, Box 190, Cooperstown, Otsego Co., N. Y. 12-8

Rose-combed Buff Leghorns, 5 Pullets Off in fancy points, 75 cents each; good cockerels, \$1.50 to \$2; 1st prize cockerel, \$7.50; 2d, \$5. at Washington D. C., January, 1907; 15 eggs, \$1.50; Single-combed Buff, 15 eggs, \$1. J. W. SILCOFF, Blinmont, Va. 12-7

## WYANDOTTES

White Wyandottes. You Want the Best Write me; have been breeding and exhibiting twenty years; eggs, \$1.50 and \$3 per 13. W. H. SHUTE, Middletown, Conn. 12-8

White Wyandottes Exclusively. Farm Range, grand breeding stock, white blocky beauties. Winners wherever shown. Eggs, from these matings, guaranteed, 15 for \$1. J. W. PAGE, North East, Pa. 12-8

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-7

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-7

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

White Wyandottes and White Holland Turkeys. Choice old and young at low prices. Eggs in season. LIZZIE BOWEN, R. 2, Chillicothe, Mo. 12-7

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 13-2

FEATHER who will drop them a postal card and ask for same.

Have you noticed the advertisement of the Corno Mills Company, East St. Louis, Ill.? These people are mailing samples of their new hen food that produces so many eggs to all who will write them and state that they saw their advertisement in THE FEATHER.

Those anxious to work in their own interest should write to H. M. Sheer Co., 120 Hampshire Street, Quincy, Ill., for a catalogue giving full information for building your own incubators and brooders. Their plans are very simple. Write for their catalogue and be convinced.

Almost as old as poultry itself is the name of Geo. H. Lee Company, of Omaha, Neb. These people have long been known as the manufacturers of Lee's Lice Killer. They are now manufacturing many new features, among which the most important is a preventive of bowel trouble in growing chicks. Write them at once for their new catalogue, telling of all their valuable appliances for growing chicks.

The last time we were at the Chicago Show we saw in active operation the model business office of the J. W. Miller Company, Box 374, Freeport, Ill. We were more than pleased with their manner of doing business, as well as with their line of goods. Write them and say that THE FEATHER advised you to have one of their latest catalogues. When received, carefully study the catalogue, as it will do you good to imbibe the information they can furnish.

The Hook Manufacturing Company, Department 3, Cromwell, Ind., have established themselves in the hearts of the people from the fact that they are furnishing both quality and quantity at remarkably low prices. Write them at once for their catalogue telling of their pure air brooders.

Mr. J. F. Defandorf, Garrett Park, Md., went to Cincinnati a year ago and won first White Plymouth Rock cockerel in a class of thirty-seven. He also won first cockerel, first pullet, second cock and fourth hen on four entries at the late Pittsburg Show. First cock and first pen at the Washington Show. We have seen his flock and know they are of excellent quality.

Charles Nixon, of Washington, N. J., has forged to the front as a breeder of White Wyandottes that will win at the New York and Boston Shows. One of the most typical Wyandotte hens ever shown was his winner of a year ago at New York and Boston. The young stock from this hen spoke in praise of their ancestry in the past winter show. A postal card sent to Mr. Nixon at Washington, N. J., will bring you a copy of his new illustrated catalogue. Every one interested in the purchase of White Wyandottes, or eggs from same, should secure a copy of the catalogue.

We have numerous complaints of the non-publication of special prizes at the winter shows. We wish to say to our many readers that we think that we did remarkably well in publishing a full list of winnings at the great winter shows. We published the lists as furnished us by the secretaries of the show. If we have omitted any regular or special prizes, the fault is not ours. If the Chicago Show list of awards had reached us, we would have published it in our columns. Not

having received such a list, we, of course, could not publish it. If any feel slighted at not having their regular or special prizes mentioned in our February number, lay it to the fact that we did not have same in our possession at the time we issued the special show number.

Our friends, Henry Hales and Watson Westfall, showed a line of most attractive Dorkings during the past winter, all of which they claim were bred in their own yards. These two gentlemen are the oldest breeders of Dorkings in the country. People throughout the country can well depend upon the quality obtained from them. Both of these have new advertisements in this issue of THE FEATHER.



Prior to the caponizing season of last year, we published an article on capons and caponizing. This attracted attention throughout the world. We have had many inquiries for caponizing instruments. That all of our readers may be fully informed as to the manufacture of caponizing instruments, we herein illustrate one of the best makes offered in this country.

Mr. Charles McClave, of New London, Ohio, one of the best known poultry growers and poultry judges of the country, writes us that he has a grand lot of turkeys ready to deliver for this season's breeding. In addition to these he has more high-class specimens to dispose of than ever before. In glancing over McClave's circular, we see that he was busy three months of the past year judging poultry shows, all the way from Alabama to northern Minnesota. A breeder, a judge, and an all-round good poultryman is Mr. McClave. All of our readers should have his circular, from which to learn the value of many kinds of poultry, turkeys and water-fowl kept at the McClave farm.

While at Cornell College lecturing to the poultry class, we made the acquaintance of Mr. Hirschey, president of the Climax Incubator and Brooder Company, who had one of their machines at Cornell demonstrating at the poultry show there the real value of their machines. These people have made many improvements in the last twelve months. Mr. Hirschey has followed the investigations at all the experimental stations in the last eighteen months, and has visited these places to gain the most recent information. All of this information is published in their annual catalogue, which should be carefully read by every one anxious to have the most recent information, the outcome of scientific investigation. We notice in this catalogue a colony house brooder much like those in use at Ithaca. In some of the brooders at Ithaca have been grown to five weeks of age over two hundred chicks, one brooder with scarcely any loss whatever. The poultry expert from Canada remarked to the writer: "I have never seen anything like this, so many in one lot doing so well, with so few delicate ones among them." A careful study of the brooding system described in the cata-



logue of the Climax Incubator and Brooder Company, of Castorland, N. Y., may benefit our readers. Write for one of these and mention that you saw this notice in THE FEATHER.

Every reader of THE FEATHER should send to George H. Stahl, of Quincy, Ills., for his late special order combination blank. This is a method of obtaining incubating and brooding machinery under most advantageous circumstances. Write to Mr. Stahl, and ask for his special offers, as mentioned in THE FEATHER.

Mr. B. H. Greider, of Rheems, Pa., has the model poultry farm of that locality. He has done a wonderful work in what he calls new poultry culture. He has just issued a new catalogue, or rather a book which tells how to succeed. He will send this to every person who will forward him 10 cents to pay for same.

There was recently held the annual meeting of the Connecticut State Poultry Association. The officers elected were Mr. C. K. Graham, president, Mr. Harrison Hamilton, of Elington, secretary. This organization is doing a great work throughout the state, holding institutes and feeling meetings during the summer months.

The meeting of the American Buff Leghorn Club was held in Detroit, January 5, when Mr. H. W. Fellows, of Marlette, Mich., was elected president, and Thos. Costigan, San Jose, Cal., secretary-treasurer. The meeting was very enthusiastic, and the financial report quite satisfactory to the executive committee.

Mr. S. T. Campbell, of Mansfield, Ohio, secretary of the Rose-combed Black Minorca Club, and breeder of Rose-combed Black Minorcas and Columbian Wyandottes, writes us that on five entries of Rose-combed Black Minorcas he won five prizes and one special. One of the cockerels shown by him weighed nine pounds. Minorca breeders are beginning to find out that it is an easy task to grow the large-size specimens. Those in want of Minorcas, Columbian Wyandottes, or the eggs from either of these, should address Mr. Campbell.

The American Buff Wyandotte Club held their annual meeting in connection with the Madison Square Show, January 1, 1907. This was one of the most enthusiastic meetings ever held in the history of the club. The secretary and treasurer's report shows a nice little balance in the treasury, and the club in a prosperous condition. The following officers were elected: President, C. S. Mattison; Eastern Vice-president, J. H. Scott; Western Vice-president, Simon Bueth; Executive Committee, C. S. Mattison, C. P. DeWitt, Calvin Hicks, J. B. Fich, and W. C. Ellison, Secretary and Treasurer, W. C. Ellison, Minneapolis, Minn.

The Silver Creek Poultry Association is a combination of old and experienced poultry breeders who have joined forces for the purpose of more and better poultry. They have an association judge who judges the breeding pens before any stock or eggs are sold. They are trying to build up a reputation for good stock and fair dealing. Theodore Johnson is judge. Mr. Johnson is an old hand at this work, and those who buy from the association will reap the result of his long experience as a judge and breeder. For further information, consult their ad in the columns of this paper.

At the annual meeting of the Cornish Indian Club of America, held at the Chicago Show, the officers were elected for the ensuing year. It is the intention of the officers to do all in their power, during the next year to make the Cornish Indian more popular even than they are at present, and all breeders of the Indian are urged to join the club. The membership is only one dollar per year and should be sent to their secretary and treasurer, F. H. Williams, Minneapolis, Minn., who will be pleased to answer all inquiries.

Mr. A. P. Groves, Chestnut Hill, Philadelphia, Pa., writes us that he has the most attractive lot of Partridge Wyandottes ever bred by him. Not so many as formerly, but the quality far beyond anything of the kind he has ever bred.

Funk & Wagnall's Company, of New York City, are issuing a magazine called "The Circle," in which they have departments devoted to poultry, silk-weaving, and live stock of all kinds. Years ago those who attempted to speak in the open in praise of poultry were laughed at; to-day the best magazines of the world seek for information along these lines to publish in their monthly issues.

Mr. Geo. W. Sweeting, of Sharon, Md., had a fine display of Rhode Island Reds at the late Washington Show. He advertises his winnings in the current issue of THE FEATHER, to which the attention of our readers is called.

"You are putting out one of the very best poultry journals I have seen, and there are very few in this country that I have not seen. I enclose copy for three advertisements for three months. We are a long way apart, but distance is no obstacle in this commercial world of supply and demand trade."—J. E. Haynes.

## Circulars, Catalogues, etc., Received

L. B. Sweet, Perry, N. Y., Circular.  
James Crawford, Cameron Mills, N. Y., Circular.  
J. W. Harper, R. F. D. No. 5, Chardon, Ohio, Circular.  
National Columbian Wyandotte Club, By-Laws and List of Members.  
Robert Seaman, Jericho, L. I., N. Y., Circular and Mating List.  
Burns Hill Poultry Farm, Dracut, Mass., Circular.  
Bixby & Bixby, Council Bluffs, Iowa, Circular.  
River View Poultry Farm, Marietta, Ohio, Circular and Price List.  
Dr. C. L. Van Osdel, Dillsboro, Ind., Circular.  
James Kugler, Jr., Frenchtown, N. J., R. F. D. No. 1, Announcement.  
Jonas Hayner, Livingston, N. Y., Circular.  
Theodore W. Koop, New Bremen, Ohio, Circular.  
Dr. John L. Marsh, Brownsburg, Ind., Folder.  
Frank I. Bennett, Point Pleasant, N. J., Circular.  
Gedney Farm Poultry Yards, White Plains, N. Y., Mating List and Circular.  
F. H. Williams, Minneapolis, Minn., Catalogue.  
Rosedale Poultry Yards, Newport, R. I., Catalogue.  
Joe H. Winkler, Oakland, Ill., Catalogue.  
W. A. Smith, Whitney's Point, N. Y., Catalogue.  
Geo. H. Hollis, Wilmington, Del., Catalogue.  
Sunswick Poultry Farm, South Plainfield, N. J., Mating List and Circular.  
Storrs' Agricultural Experiment Station, Storrs, Conn., Bulletin No. 43.  
Chas. E. Cram, Carey, Ohio, Catalogue.  
Mount Hope Nurseries, Rochester, N. Y., Catalogue.

## DIED

It is with profound regret that we record the death of Thomas E. Orr, who died very suddenly of heart failure at his home in Beaver, Pa., Saturday, March 23. Having served faithfully his part in life he has passed away, leaving footprints on the sands of time.

Golden Wyandottes, Keller and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

White Wyandottes, First Cock at Washington Show selected as having the best type on classes, also fifth cockerel in a strong class. Eggs for sale, \$3 per 15. M. E. ROSE, Takoma Park, D. C. 12-7

Buff Wyandottes.—Silver Cup Winners. Plenty of ribbons at Sanatoga, Reading and Blandon, Pa., Shows. Stock for sale. Eggs \$1 per setting. H. F. YARNALL, Pottstown, Pa. 12-8

White Wyandottes (Duston Strain). Carefully selected matings from prize winning stock. Eggs \$1.50 per 15; \$2.50 per 30. HIGHLAND POULTRY FARM, Frank B. Smith & Bro., Proprs., Hagerstown, Md. 12-7

Golden Wyandottes.—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 13-4

Columbian and White Wyandotte Stock for Sale. Eggs from prize winners and record layers; \$2 to \$5 for 15. O. B. EDDY, Oconomowoc, Wis. Box D. 12-7

Columbian and Buff Wyandottes, Rhode Island Reds, little chicks; eggs \$2 per 15; stock first prizes at Dowagiac and Kalamazoo. "JONES, of Dowagiac, Mich." 12-7

Our Columbians Won at Detroit, Jackson, Port Huron, and Pontiac 43 ribbons, silver cups, and many specials. Trios, \$15; eggs, \$3 and \$5 per 15. Circular. H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-7

"Oyster's" Silver-pencilled Wyandottes, Select Matings from Madison Square and Hagerstown winners. Eggs, \$2 per 13. EDW. OYSTER, Box A, Strawberry Ridge, Pa. 12-7

Eggs for Hatching. Exhibition White Wyandottes and White Leghorns. Incubator eggs reasonable. Write for circular. FLORIS HILL POULTRY YARDS, Floris, Va., Stroud & Walker, Proprs. 12-7

Thoroughbred White Wyandottes. Pure White birds; good winter layers; stock and eggs for sale. Photos and prices on application. L. E. COULTER, Guilford, Conn. 12-7

Spring Garden Strain Stay White Wyandottes. Get in line by ordering setting eggs, pen trio, pair cockerel; bred from lion and mates strongest female line in East. Record, 178 eggs. C. D. ARONE, York, Pa. 12-7

White Wyandottes, Good Hens, Mated to 93 1-2 to 94 1-4 finest male birds; eggs, \$2 per setting; order now. M. T. ROLLINS, Box B, Cardwell, Mo. 12-7

Partridge and White Wyandottes, White Plymouth Rocks, Doodlittle, Dnston, and Fishel Strains direct. Secret of telling laying hens with every order of stock or eggs. BYERS BROS, Mercer, Pa. 12-10

Buff Wyandottes Bred for Size, Eggs and Exhibition. At two Springfield Shows won 17 prizes, 3 cups. Eggs, \$2 per 15. WALTER BLISS, Ludlow, Mass. 12-7

Whites of Stay White Wyandottes. Great Egg producers. Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. 12-7

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 13. H. F. CHASE, Andover, Mass. 13-4

Columbian Wyandottes Exclusively. The Coming fowl; eggs, \$3 and \$5 per setting from my Carlisle winners. W. G. FREDERIO, N. Factory St., Carlisle, Pa. 12-7

White Wyandottes Exclusively. Duston's Strain. Photographic circular of my first and second prize winners free. Eggs, \$1.50 per 15. J. IRWIN GERHART, Wernersville, Pa. 12-7

White Wyandottes. Duston Strain. Eggs, \$1 per 15; \$5 per 100. Many thousands of satisfied customers. Can fill large orders promptly. ELMER GIMLIN, Taylorville, Ill. 12-7

Columbian Wyandottes. Best That Skill and long experience can produce. Stock and eggs. Eggs 10c, 20c, and 30c each. CYRUS BATCH-ELDER, North Haverhill, N. H. 12-7

Duston Wyandottes. Positively Pure, Large, snow-white layers. Eggs, \$1.50 per 13; \$4.50 per 50. Circular free. J. E. CHRISTIE, Garfield, N. J., Route 13. 12-7

Our Columbian Wyandottes Won First Cockerel and second pullet at Hagerstown, 1906. Stock and eggs for sale. ENGLE BROS., Hummelstown, Pa. 12-7

Many Years a Breeder of White Wyandottes. Duston strain, and Pekin Ducks, Rankin strain. My birds are beautiful, healthy and unsurpassed in laying qualities. I treat all of my customers fairly and guarantee satisfaction and I know that I can please you. Eggs in season. Wyandotte, \$1.50 for 15; Duck, \$1 for 11. L. HARRIS CREWE, Still Pond, Md. 12-7

White Wyandottes Exclusively. The Kind That stay white; Standard bred from vigorous blocky birds. If you want the best write me. Stock and eggs in season. FRANK L. SMITH, Box 226, Flemington, N. J. 12-7

Golden Wyandottes Only. Keller Strain. Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. W. S. BUSS, Catasauqua, Pa. 12-10

White Wyandottes Bred for Business. Fine, large birds, heavy layers, guaranteed to give satisfaction. Eggs, \$1.50 to \$2 per 15. L. W. GILLINGHAM, Accotink, Va. 12-7

White Wyandottes, Thirteen First Prizes, 1906; first prize, males and females, for sale; first pen all first prize birds. Eggs, \$3. A. A. MILLER, McKeesport, Pa. 12-7

Silver-laced Wyandottes, Exceptionally Fine Standard marked Cockerels. Dr. Beckett's celebrated strain; satisfaction guaranteed or money refunded; \$3 to \$4 each. Now booking orders, eggs for hatching, \$2 for 15. J. PERCY SMITH, Woodbury Heights, N. J. 12-7

Partridge Wyandottes. Winners at Chicago, Detroit, Holland, Ann Arbor, etc. Eggs, \$4 per 13; stock for sale. Circular. DR. C. M. BASKERVILLE, Mt. Pleasant, Mich. 12-7

White Wyandottes Exclusively. Duston, Large, Blocky Farm Range. Eggs, 15 \$1; 30 \$1.75; 100, \$5; 200, \$9; 300, \$12. WILLIAM GALBRAITH, Route 12, Chambersburg, Pa. 12-7

Plain View Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte Cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalogue. H. LEWIS, Magnolia, N. J. 12-7

White Wyandottes—"Duston Strain." Eggs a specialty from fine matings. Some exhibition and breeding stock for sale. Write me your wants and profit by it. LESLIE C. POULTRY FARM, J. E. Haynes, Prop., Prairie du Rocher, Ill. 12-7

Eggs, White Wyandottes, 15 for \$1; 50 for \$2.75; 100 for \$4.75. A choice pen of Buff Orpington eggs, same price as above. L. PARSONS, Rosemond, Ill. 12-7

Lewis' Bred to Lay White Wyandottes. High quality business birds. Eggs from choice pens of heavy layers, \$1.50 per 15. Cockerels, EDW. H. LEWIS, Magnolia, N. J. 12-7

You Win with Imperial Strain White Wyandottes. Line bred for past eight years. Satisfaction guaranteed. Write for circulars. IMPERIAL POULTRY YARDS, Box 9, Shrewsbury, Pa. 12-7

White Wyandottes, Fishel Strain, for Sale; Fifty hens and pullets, twenty cockerels, must sell for want of range. Fine birds, pure white, bred for size, laying qualities, and for exhibition. Write me for prices, I can please you. MRS. HARRY FARNHAM, Vermillion, Ill. 12-7

Wyandottes—(White). Eggs, Cockerels, Pullets, and cocks. Will book your order for eggs at \$1 for 13; cockerels and cocks, \$2, \$3, and \$5, pullets \$2 and \$3. All thoroughbred, pure white, no brass, and must please or no sale. E. M. MELLOR, Rugby Poultry Yards, Sykesville, Md. 12-7

Brookside Poultry Yards. Buff Wyandottes! Fine cockerels and a few trios to spare. Eggs in quantity to suit. Early spring orders solicited. Competent foreman and assistants. MISS MILDRED HAYNES, Prairie du Rocher, Ill. 12-7

Plain View Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalogue free. O. J. AUSTIN, Pana, Ill. 12-8

Partridge Wyandotte Eggs from My Prize Winners, \$3 per 15; Rose-combed Buff Leghorns, \$2 per 15. Circular free. L. S. ELDRED, Himrod, N. Y. 12-8

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 13-5

White Wyandottes Only That Are Pure White and stay white. Best pen, \$3 for 15, or \$5 for 30. (I guarantee satisfaction.) Will give you what you are willing to pay for. Pen No. 2, \$1, 13 eggs. My fowls are prize winners and layers, and money can not buy any better. WAKEFIELD KENNELS, Wakefield, R. I. 12-8

Partridge Wyandottes. Handsomest Variety by all odds. Good layers. Large, blocky birds. Eggs for hatching, \$2 per 15. All extra stock sold. E. H. PROTHERO, Du Bois, Pa. 12-8

White Wyandottes; "Dustons." Eggs, Guaranteed fertile, \$1.50 per setting; \$6 per 100. Single-combed White Leghorn eggs, \$5 per 100. SUNNYBROOK FARM, Branchville, Conn. 12-8

White Wyandottes That Speak for Themselves; won 13 ribbons and 3 club specials in 17 entries. MRS. LAURA KUNKLE, Kunkle, Ohio. 12-8

Won More Prizes on White Wyandottes at Rochester than any competitor. Nineteen prizes on Silvers at N. Y. State Fair, Waterloo, Auburn, and Rochester. 15 eggs, \$2; either variety. LEROY W. SEIGFRIED, Waterloo, N. Y. 12-8

Columbian Wyandottes; None Better; First Prize at Salamanca Show. Eggs from prize winning pen, \$3; utility, \$2 setting. MAPLE GROVE POULTRY YARDS, Machias Junction, N. Y. 12-8



Columbian and White Wyandottes; Prize Winners at Hagerstown, Rockville, and Washington. Also prize winners in R. C. Buff Leghorns, S. C. Buff Orpingtons, and B. P. Rocks. Stock for sale. Columbian Wyandotte eggs, \$2; other varieties, \$1 for 15. Incubator eggs a specialty. J. D. SUMNER, Kensington, Md. 12-8

Partridge Wyandottes; Winners at Ravenna and Cleveland. Stock and eggs from prize winners for sale. W. B. NICHOLS, "The Partridge Wyandotte Man," Ravenna, Ohio. 12-8

McIntyre White Wyandottes, Sheboygan, Wis. Whitest bird at Marinette, Sheboygan, Oshkosh, 1st young and old males, Milwaukee, Manitowac, Marinette; same week, different birds. Eggs, \$2. 12-8

Columbian and White Wyandottes; Blue Ribbon egg strain; winners at Philadelphia Show. Eggs, \$1.50 per 15; \$4 per 50. DEPTFORD POULTRY FARM, Sewell, N. J. 12-8

White Wyandottes Exclusively. Eggs, Choice matings, \$1 per setting; \$5 per 100. REGAL POULTRY YARDS, Marietta, Ohio. 12-8

Silver Penciled Wyandottes; Winners at Brockton, Lynn, and Springfield. Stock and eggs for sale. Eggs, \$2 per 15. J. F. HOWLAND, Taunton, Mass. 12-8

Partridge Wyandottes a Specialty. Winners 23 prizes—Malone, Johnstown, and Anburn, N. Y., and St. Albans, Vt. Eggs, \$3. Circular. C. P. RICHIEY, Malone, N. Y. 12-8

Eggs for Hatching from Snow White Wyandottes, \$1 for 15; incubator eggs, \$5 per 100. Stock for sale. W. H. CLEMENS, Saginaw, Pa. 12-8

White Wyandottes Exclusively. Stay-white Stock for sale. \$2 for 13 eggs; 3 settings for \$5. Write for wants. ABRAHAM SCHANNAUER, Box 77, Wernersville, Pa. 12-8

Columbian Wyandottes. Eggs in Season, \$3 and \$5 per 15 from my prize winners of the great Central Show at Carlisle, Pa. H. C. CART, Carlisle, Pa. 12-8

Silver-penciled Wyandottes; Winners at Providence, Boston, Brockton, Lynn; large fine penciled birds; also a few settings. Columbians. Eggs, \$2. J. E. MORSE, Taunton, Mass. 12-8

Partridge Wyandottes! Look Up My Madison Square Garden and Boston show records. Eggs, special matings, \$5 per 15; \$10 per 100. J. C. MACOMBER, Reading, Mass. 12-8

White Wyandottes—The Kind That Pay. Eggs, \$1 per setting. WOODLAWN FARM, M. L. Ansley, Clarks Summit, Pa. 12-8

Partridge Wyandottes Exclusively. Young and old birds a specialty. Choice pen, \$10; trio, \$6; cockerel and cock, \$3; or 3 for \$6. Eggs, \$3 for 15. EUGENE JOHNSON, Maywood, Mo. 12-8

Premier Strain White Wyandottes. Won Every first and second prize in every class, Cleveland Show, 1907. Whiteness, strength and vigor. DR. W. H. HUMISTON, Cleveland, Ohio. 12-8

Madison Square Garden Winners.—Our Record last year: Madison Square Garden, 1st pen, 2d cock, 5th cockerel. Boston, 1st cock, 3d hen, 3d and 6th cockerel, 4th and 6th pullet. Great Eastern Poultry Show, New York City, 1st and 3d cock, 1st 2d and 3d hen, 3d cockerel, 3d, 4th, and 5th pullet, 1st pen. Special for best display. This is the record that speaks for itself, and was made last fall and winter. Young and old birds for sale that will win. HORACE HAVEMEYER, Stamford, Conn. (Breeder White Wyandottes). 12-8

In Competition with "The Best in the World" at Scranton we won every first in open class. Mayor's \$100 cup for best silver Wyandotte in show, cash special for best male and female; 66 competing. SAMSON & ALDEN, Forest City, Pa. 12-8

Eggs from Empire Strain White Wyandottes Are sure to produce results. Our stock is snow white, and has size and vigor. Eggs from best pens, \$2 per 13; \$8 per 100. 75 per cent. fertility guaranteed. HILLSIDE POULTRY YARDS, Herbert B. Rowedder, Propr., Jamaica, N. Y. 12-8

Columbia Wyandottes. Won 1st Cockerel, 1st and 2d pullet at Findlay Show. Eggs for sale. Write B. F. BIBLER, Box 81, Route 5, Findlay, Ohio. 12-8

White Wyandottes Exclusively. Good Fertile Eggs for hatching; also excellent cocks and cockerels at reasonable prices. Circular free. SUNFLOWER POULTRY YARDS, Box A, Oceanport, N. J. 12-8

Golden Wyandottes, the Breed for Beauty and business. Eggs, best birds, \$1.50 per 15; utility stock, \$1 per 15. R. W. PARKER, Williamsport, Pa. 12-8

Eggs from High Scoring Buff Wyandottes, Solid buff birds, blue ribbon winners at Greenfield, \$2 per 15. Send orders early. GUY J. POTE, Bridgewater, Iowa. 12-8

Partridge Wyandottes Exclusively. Fine Young stock for sale; bred from prize winners only. Eggs, \$3 for 15. O. SUESSENGUTH, Ubrichville, Ohio. 12-8

Columbian Wyandottes, Portland, Me., 1907. 11 prizes, cup, New York, 1907; 3d pullet, 5th cockerel on 4 entries. Eggs, \$5 per 13; special mating eggs, \$1 each. S. T. EVELETH, Portland, Me. 12-8

My Buff Wyandottes Always Win; Winners at Scranton and Wilkes-Barre, 1906; winners at Scranton, January, 1907. Eggs, \$3 per setting. White Rocks, winners at Scranton, eggs, \$2. Satisfaction guaranteed. E. GRIFFITHS, 115 W. Market St., Scranton, Pa. 12-8

Partridge Wyandottes! World's Fair, Chicago; St. Louis winners. Fine cockerels, trios, and pens. Prices low for quality. Eggs for hatching, \$2, \$3, \$5, setting. No better birds ever mated. OTTO CANNON, Box A33, Elsberry, Mo. 12-8

White Wyandotte Eggs from My Standard-bred, heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circulars free. R. C. WARMAN, Washington, N. J. 12-8

Columbian and White Wyandottes; Winners at Cleveland, Cincinnati, Dayton, Columbus, Toledo. Catalogue and egg circular ready. Eggs, \$3 and \$5. CHAS. E. CRAM, Carey, Ohio 12-8

"Invincible" White Wyandottes, Because We have the best vigor, weight and breeding order stock; also eggs at \$2 for 15. H. MARKS, Roscoe, Ill. 12-8

First Prize on Golden, Cock and Hen, at American Poultry Association Show at Auburn, 1907. Cockerels for sale. Eggs in season. JOHN R. STEELE, Romulus, N. Y. 12-8

Bargains! A Few Trios of First-class Columbian Wyandottes left at \$6 to \$10; trio cockerels, \$3 to \$5. Good breeders. F. G. BEAN, Collegeville, Pa. 12-8

White Wyandottes! I Have Mated Two Selected pens that are up to date and Standard weight with the proper shape, and white as snow. Eggs, \$1.50 per setting. Try them, and be convinced but I can please you. S. L. HETRICK, Punxsutawney, Pa. 12-8

Fishel Strain White Wyandottes. 993 Eggs from 51 pullets during December. Eggs, 10 cents each. Order now. PHIL WEBER, Canal Winchester, Ohio. 12-8

White Wyandottes! Pure, White, Short Legs and Blocky. Good layers of large, brown eggs. First prize hen at Newark, 1906. All selected breeders. Eggs, \$1.50 per 15; \$4 per 50; \$7 per 100. Satisfaction guaranteed. W. T. FOSTER, Woodstown, N. J. 12-10

Wyandottes; White and Silver-penciled. At Utica, N. Y., January, '07, I won 22 regular and 17 specials on these varieties, including every first prize. Eggs, \$2 and \$3 per setting. Send for mating list. AUSTIN G. WARNER, New York Mills, N. Y. 12-10

Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Little, and Philadelphia. Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm flock. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 13-5

Poultry for Profit. I Have the Winter Laying strain. White Wyandottes lay well all winter. Eggs, \$1 per 15. JOHN DORN, South Schodack, N. Y. 12-8

Columbian Wyandottes (Arnold, Richardson), Yards headed by sons of "Teddy." Eggs, \$1.50. Also "Lords" Buff Wyandottes. Circular. WM. SEIDEL, Box F, Washingtonville, Pa. 12-8

White and Columbian Wyandottes. Blue Ribbon winners whenever shown; stock for sale; eggs for hatching. Write for circular. MAX FRIES, F. 254, Warsaw, Ind. 12-8

Partridge Wyandottes. Winners Wherever Shown. Won at great Chicago Show, 1907—2d and 3d cock, 3d hen, 2d pen. At great Indianapolis Show, 1907—2d cock, 1st hen, on 2 entries; 21 ribbons at four other shows this season. Stock and eggs for sale. WM. ERFURTH, South Chicago, Ill. 12-8

White Wyandottes. Fine Utility Stock; trios, \$5 to \$7; pens, \$8 to \$10. Eggs in season. JNO. A. COLE, R. D. 2, Saugerties, N. Y. 12-8

Silver Wyandottes. Winners at Madison Square, Walden, and Kingston. Choice stock for sale; eggs from finest exhibition matings. Circular free. OLIVER CARTER, Tillson, N. Y. 12-8

Buff Wyandottes; Eggs from Winners That Will produce winners; your money's worth every time; stock for sale; circular free. J. E. WILLMARTH, Amityville, N. Y. 13-5

Stags Range Farm White Wyandottes; Remember one of the great laying strains; quick growing, early maturing; eggs for hatching from high-class matings, \$2 and \$4 per setting; Utility, \$1 per setting, \$5 per 100. Circulars. HENRY W. KRAMER, Specialist, Glenville, York Co., Pa. 12-9

For Sale—Choice White Wyandotte Cockerels. Won 3d and 4th cockerels at Canisteo. Hottest class of Wyandottes outside of largest shows, says Judge Webb. My best ones unsold. Eggs for sale. GEO. S. CHASE, Bennettsburg, N. Y. 12-8

Buff Wyandottes. First Pen, Scranton. Eggs, \$2 for 15; a few fine cockerels. White Leghorns, Blanchard strain, \$1.50 for 15. F. M. TIFANY, Dalton, Pa. 12-8

Buff Wyandottes, True to Color and Shape. Winners at Great Washington show; choice cockerels, \$3 up; eggs, \$3 per 15. MRS. ELLA F. REMSEN, Annapolis, Md. 12-8

White Wyandottes, 240-egg Strain—Eggs for hatching a specialty; \$1.25 per 15; \$2.25 per 30; \$3 per 45; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbian Wyandottes. The Coming Utility fowl. Eggs for hatching a specialty; \$2 per 15; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbian Wyandotte and Barred Rock Eggs from exhibition matings, \$2 a setting; three settings, \$5. J. R. LANE, Fort Edward, N. Y. 12-8

Partridge Wyandottes. Eggs from Specially Selected, handsomely marked, fine laying stock, Hadaway and McKelvin strain; limited number at \$2 per 13; square treatment. Satisfaction guaranteed. B. A. READ, No. 3 Wheeler Ave., Binghamton, N. Y. 12-8

Columbian Wyandottes, America's Champions. Won 32 firsts and special prizes at New York and Boston, 1907. Eggs from prize matings, one setting, \$5; three settings, \$10; five settings, \$15. Choice birds for sale. See large ad. A. C. HAWKINS, Box 28, Lancaster, Mass. 12-8

White Wyandottes—Strictly High Grade Stock; no brass, no black feathers; they lay well and always win; trap nest pedigree; stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis Junction, Md., Box 83. 12-8

Silver Penciled Wyandottes. We Have No More stock for sale. Eggs at \$1 per setting of 13; we keep nothing but Silver Penciled Wyandottes and the best strain at that. Write. MONTROSE STOCK FARM, Deanwood, Fairfax Co., Va. 12-8

Golden Wyandottes Exclusively. Bred from Chicago winners; all breeding pens headed by first prize birds; years of experience; long record of show winnings enables us to raise quality of highest merit. Eggs, \$2.50 for 15. EVERHART & ROGERS, Keyser, W. Va. 12-9

Buff Wyandottes, Prize Winners, Marvelous Layers. Eggs from birds scoring 91 to 94½, \$2 per 15; \$3.50 per 30. E. P. CUTLER, Carthage, Ill. 12-9

Columbian Wyandottes, "the Kind That All the world will have." Ten grand pens. Silver-penciled Wyandottes, fine as silk. American Dominiques—the real old-fashioned kind. Light Brahma Bantams—beauties. Nice circulars. DR. HARWOOD, Chasm Falls, Malone, N. Y. 12-9

Columbian Wyandottes of the Best Prize Winning strains. Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y. 13-6

Columbian Wyandottes. Finest Flock in This Locality. Eggs, \$2 per 15. Also S. C. W. Leghorns. ALBERT B. PRESTON, Saugerties, N. Y. 12-7

Silver-laced Wyandottes Exclusively for Ten years. Dr. Beckett's original mating. Stock and eggs for sale at right prices. Satisfaction guaranteed. Write for quotations. D. LEWIS, Keyport, N. J. 12-9

Silver-laced Wyandottes. Eggs, \$1.50 per 15, from pen 1; \$1 per 15, pen 2. Rest of season. MAPLEWOOD FARM, R. R. 12, Haubstadt, Ind. 12-9

America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y. 12-12

Silver Wyandottes, Beauty and Utility Combined. write me; I have a story of eggs and awards, or trust me and send \$3 for 15 eggs; \$5 for 30; and be convinced. H. F. ATHERTON, Moosic, Pa. 12-9

2d Partridge Wyandotte Cockerel at Boston, 1907, 1 own, bred and raised. Eggs, \$3.50 per setting, from two choice pens. F. C. BURBANK, Sandwich, Mass. 12-9

Golden Wyandottes and S. C. Buff Leghorns. Farm raised. A few good Wyandotte cockerels left. Keller strain. Prices reasonable. Fine strain of Buff Leghorns. Eggs, \$1 per setting. I G. LONGENECKER, Palmyra, Pa., Rte. 1. 12-9

Columbian Wyandottes, Winners at Boston Three years. Eggs, \$2 for 15; \$5 for 45; write for circular. R. G. RICHARDSON, R. F. D. 2, Lowell, Mass. 12-9

White Wyandottes, Fowls and Eggs, Fishel Strain. Stock direct from champion "Wonder." None better. Write for full particulars. W. B. ELLSWORTH, Brookwood Farm, Ottawa, Ill. 12-9

White and Partridge Wyandottes. Eggs from birds that scored 95 points. Satisfaction fully guaranteed. Eggs, \$1.50, 15; \$6, 100. R. A. GRAFF, Jamesburg, N. J. 12-9

At Boston Show, 1907, on Golden and Silver Wyandottes we won \$60. Eggs for hatching from Golden, Silver, Buff and Black Wyandottes, at \$3 per 15, or \$5 for 30 eggs. Less than 11 chicks per setting, eggs duplicated at one-half price. WOOD & FREEMAN, Fitchburg, Mass. 12-9

Silver-laced, Silver-penciled, Partridge and Columbian Wyandottes. At last five shows won 54 prizes. This includes two Boston and one New York show. Fine cockerels, \$3, \$5 and \$7. Eggs, \$2 per 15. E. J. ROBINSON, Lakeville, Mass. 12-7

"White Frost" Strain—White Wyandottes, 32 ribbons; 14 specials; silver cup for best pen, any variety, this fall. Eggs, \$3 per 13. CHARLES D. CLEVELAND, West Orange, N. J., Box A. 12-9

Buff Wyandottes, Partial List This Season's winnings. Cambridge, cock 1, hen 3, pen, old, 1; pen, young, 1; cockerels, 1, 2; pullets, 1, 2; two specials. St. Albans, 4 firsts, 10 specials. Frankfort, 4 firsts, 9 specials. Eggs, \$2, \$3, 15. Club member. STUART A. HOWLAND, Granville, N. Y. 12-9

Columbian Wyandottes and Light Brahma Cockerels, Autocrat strain; a few fine cockerels for sale; \$2 to \$5 each. MRS. ROSA J. HOLWAY, East Sandwich, Mass. 12-9

White Wyandottes, Great Winter Layers, Exhibition quality. Eggs. Day old chicks and breeders for sale. Send for circular. W. E. COOK, Route 4, La Grange, Ill. 12-9

"A Square Deal." Would You Like to Buy Eggs for hatching from pen of White Wyandottes, scoring from 94 to 96½ points? Every bird above Standard weight. Fine in shape, milky white plumage, golden yellow legs and beaks, and grand layers. If interested, write W. G. HALE, Batsto, N. J. 12-9

White Wyandottes. Eggs after March 1st, at \$1 per 15; \$2.50 per 50. Circular for stamp. FAIRVIEW POULTRY FARM, Homer, Mich. 12-9

Golden Wyandottes, the "Best in the World" kind. Fine Rose-combed Reds. Stock and eggs. Write to DR. J. R. DOUGLAS, Mound City, Kans. 12-7

Partridge Wyandotte Specialist. Winner Leading shows, including first cock and other winnings at Boston, 1907. Eggs. Catalogue free. C. E. GEORGE, Union City, Mich. 12-9

Lakewood Farm—Famous White Wyandottes, farm bred. Eggs for hatching, \$2 per 15; \$8 per 100. Day old chicks our specialty. LAKEWOOD FARM, Holland, Mich. 12-9

Raven Rock Poultry Farm, White and Buff Wyandottes (Dutton and Hawk strains). Thoroughbred, farm raised, large, vigorous birds, bred from selected winter layers. Eggs for sale. White, \$1 per 15; Buff, \$1.25 per 15. I. G. WATERS, Guernsey, Ohio. 12-9

White Wyandottes and Buff Cochins, Special Introductory prices. Eggs, \$1 per 13. Stock very reasonable. Score 90 to 94. Won prizes Columbus, Cincinnati, Dayton, Sidney, Portland, Indianapolis. Compliments. Circulars free. S. BERGER, Pleasant Hill, Ohio. 12-8

I. X. L. Poultry Yards. Golden Wyandotte stock and eggs for sale. Catalogue free. J. F. SCHOLZ, Erie, Pa., Station No. 439. 12-9

My Partridge Wyandottes Won Second Cockerel and third hen at Providence, 1906. Eggs, \$2 per 13. F. A. BAILEY, Hope Valley, R. I. 12-9

Perfection White Wyandottes. "The Name Tells a true story." Exceptionally fine; short-backed, deep-bodied, white and blocky. Eggs, 15, \$1.50; 30, \$2.50. Stock for sale. R. W. LUCKETT, Loudoun Poultry Yards, Lucketts, Va. 12-9

Thoroughbred White Wyandottes. Exceptional winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickory Hill, Pa. 12-9

White and Silver Wyandottes. Some Extra Fine males and females for sale. Eggs in season. Write your wants; satisfaction guaranteed. J. I. STRIEBIG, Spry, Pa. 12-8

Partridge Wyandottes. Partridge Wyandotte Eggs—15, \$1.50; 50, \$4; 100, \$7. Stock scoring to 93½. Size and color. I can positively please you. ED. SCHMIDEMANN, Lakemills, Wis. 12-9

Partridge Wyandottes. Adams' "Goldbanks" Have won 62 prizes at 4 state shows. Four grand yards; stock; eggs; circular. "PARSON" ADAMS, Altoona, Iowa. 12-9

White Wyandottes—Won at Harrisonburg Show, December, 1906, 1st pen; 1st, 2d, 3d, 4th pullet; 1st, 2d cockerel; 2d hen. Also Single-combed Rhode Island Reds won 1st, 2d, 3d pullet. Trap nests used. Eggs in season. Booking orders now. Satisfaction guaranteed. Correspondence solicited. Member National White Wyandotte Club. WESTOVER POULTRY FARM, J. P. Bowers, Mgr., Harrisonburg, Va. 12-9

Doolittle Strain Partridge Wyandottes, White Wyandottes and R. C. Reds. Cockerels, \$1.50 up. Eggs, \$3 per setting; \$5 per 30. C. M. STINE, Holtz, Pa. 12-9

Columbian Wyandottes; Winners at Hanover, York, Dallastown, and Little, Pa.—90 to 95. Eggs \$2.50. GEO. W. DELL, Carson City, Mich. 12-7

Golden Wyandottes; Large, Vigorous, Beautifully laced; excellent layers. Eggs—15, \$1; 30, \$1.75; 60, \$3. Satisfaction guaranteed. L. S. GROSE, Pleasant Valley, W. Va. 12-9

Wyandottes! White, Silver, and Golden Wyandottes; bred for eggs and the show pen; you can not get eggs from better stock than my matings for 1907—\$2 for 15. GEO. V. FRYE, Lexington, Ohio. 12-7



**My White Wyandottes Are Winning Blue Ribbons,** and will for you; are grand layers, and score as high as 95%; small matings; extra fertility. Eggs \$2 and \$3 per 15. A. C. S. BEE-MAN, St. Albans, Vt. 12-9

**White and Buff Wyandottes and Barred Plymouth Rocks.** My White Wyandottes won \$50 silver cup for best display, also special ribbons, and nearly all other prizes awarded at Philmont Poultry Show 1907, also winners at other shows. Young and old stock for sale. Eggs \$2 per 15. Address G. J. ANDERSON, Mellenville, N. Y. 12-8

**Columbian Wyandottes—Richardson Strain—Direct.** Unexcelled for exhibition and utility. Eggs from prize winning stock, \$2 per 15. FRANK VAN WAGNER, Salt Point, N. Y. 12-9

**Large White Wyandottes for Sale; Best of Blood.** Eggs—\$2 setting; \$6 hundred. S. C. White Leghorns for sale. Eggs—\$1.50 setting; \$5 hundred. M. E. RIDGELY, Bensenville, Md. 12-7

**Dunston Strain White Wyandottes Exclusively;** bred for heavy laying. Eggs \$1.50 per setting. Liberal guarantee. Booklet. STANLEY E. ASSON, New Egypt, N. J. 12-9

**White Wyandottes Our Specialty.** Have been carefully bred by us for years. Foundation of our flock was from best breeders regardless of cost. Have two grand pens mated for 1907; also Rhode Island Reds; all fine birds. Eggs \$2 per 15. J. S. LUDINGTON, Patterson, N. Y. 12-7

**Hacker's White Wyandottes, Hens, Cockerels,** pullets and cocks, \$3, \$5, and \$10. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-8

**Sacrifice Sale—Columbian Wyandottes, Fine as** grow; five cockerels, twelve pullets, trios, \$10 up; entire lot for \$50. J. W. BRINSER, Manchester, Va. 12-8

**White Wyandottes Exclusively (Dunston's and** Hallock's direct). Positively pure. Eggs—\$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. HARRY AULENBACH, "Grand View," Wernersville, Pa. 12-9

**Columbian Wyandottes! At Nevada Poultry Show,** 1906, won all premiums given on Columbian Wyandottes. Eggs, \$1 per 15. F. A. RECTOR, Box 206, Nevada, Mo. 12-8

## MINORCAS

**Winona Farms, North Paterson, N. J., Won at** Madison Square Garden, 1907, 1st and two specials on Hen, 5th on cock, silver cup and five other specials. Eggs, \$3 per 13; \$5 per 26. 12-8

**Rose Comb Black Minorcas Exclusively. Breed-** ing and exhibition birds at reasonable prices. Eggs, \$3 for 15; two sittings for \$5. I breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

**Dexter's S. C. Black Minorcas; Leading Winners** at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9

**15 Eggs, \$1! From Prize Winning S. C. Black** and S. C. White Minorcas. Some choice birds for sale. CHAS. M. PALMER, Nassau, N. Y. 12-7

**"Green-Jet" Rose Combs! Bred Green, Not "to** the purple." Exhibition cockerels and breeders. Prices reasonable. Eggs, \$3. GEORGE P. NORTHROP, Westwood, N. J. 12-7

**Rose Comb Minorcas, Black and White, Winners** Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

**Our Black Minorcas Won First Cockerel at Ha-** gerstown, 1906. Exhibition cockerels and eggs for sale. ENGLE BROS., Hummelstown, Pa. 12-7

**Ferguson's White Minorcas, Prolific Layers of** large, white eggs. Pure bred stock. Eggs \$2 per setting. N. H. FERGUSON, Route 2, Randleman, N. C. 12-7

**Rose and Single Comb Black Minorcas, Bred** from winners at Boston, Rochester, and Auburn. Stock and eggs reasonable. Circular for stamp. M. V. ALLEN, Ovid, N. Y. 12-7

**Rose Comb White Minorcas. Stock and Eggs.** E. S. CRUMBLING, Marysville, Pa. 12-7

**Single Comb Black Minorcas! Bred for Beauty,** new Standard weight, and great egg-laying qualities. Have some fine show specimens, especially large cockerels, to offer. Write to-day for illustrated price list on stock and eggs. CHARLES G. PAPE, Fort Wayne, Ind., 1617 N. Cass St. President American Minorca Club. 12-7

**Rose Comb Black Minorcas. Exclusively. Eggs,** \$1.50 for 15; two sittings for \$2.50. I breed for quality and guarantee satisfaction. JOSEPH ROYE, Nassau, N. Y. 12-7

**Choice White Minorcas, \$1 Each; Pens, \$4.50.** Also one fine cock for exhibition. Seven first prizes. White for prices. LULU DIBBLE, Guernsey, Ca. 12-7

**Rose Comb Black Minorcas. Winners at Frank-** fort, Fort Plains, Cambridge, Johnstown, and Herkimer, N. Y.; 22 firsts on 25 entries. Eggs in season. Write for prices. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

**Black Minorcas! Rose Comb and Single Comb;** large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock or eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twinlugs, D. C. 12-7

**Eleven Years Breeder of R. C. B. Minorcas.** Eggs, \$1.50 for 13; \$5 for 50. Cockerels for sale. WM. J. MENKE, 713 N. Thirteenth, Quincy, Ill. 12-8

**White Minorcas, Buff Orpington Stock and Eggs** for sale. Rose Comb White Minorca and White Orpington eggs only. MRS. J. G. OSBORNE, Fafins, N. Y. 12-7

**Rose Comb Black Minorcas, Northrup Strain. Eggs** from winners at Madison Square, N. Y., Rockland County Fair, N. Y., Hackensack, Paterson, Rutherford and Englewood, N. J. SUMMIT POULTRY YARDS, Dept., B. Hackensack, N. J. 12-7

**Large S. C. B. Minorcas; Standard Bred; Nor-** thrup Strain. Eggs, 15 for \$2; 30 for \$3. Satisfaction guaranteed. G. S. MARSH, Cuba, N. Y. 12-8

**Prize Stock of America's Greatest Layers, S. C.** Black Minorcas and Barred Rocks. Eggs, \$1 per 15; \$5 per 100. H. H. GODSHALL, Telford, Pa. 12-8

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**Rose-combed Black Minorcas; Winners at Indi-** ana's largest shows; pens contain many prize winners. Eggs, \$2 per 15. Hatch guaranteed. B. F. NEIMAN, Fishers Switch, Ind. 12-8

**Single-combed Black Minorcas (Northrup Strain).** A few choice cockerels—pairs, trios and pens, for sale. Prices reasonable. Eggs from prize winning pens, \$2 per 15; \$3 per 30. LEON HUGUENOR, R. F. D. 2, Hornell, N. Y. 12-8

**My Single-combed Black Minorcas Are Equal to** any. All eggs carefully selected, and satisfaction guaranteed. Try one setting, 15 eggs \$2. WM. E. HAMMOND, Frenchtown, N. J. 12-8

**Single-combed Black Minorcas Exclusively (Nor-** thrup strain). At Kingston and Walden on eleven entries won nine firsts, two seconds. 15 eggs, \$1.50; cockerels, \$2. B. C. DEYO, New Paltz, N. Y. 12-8

**S. C. Black Minorcas Exclusively; Northrup Stock.** Eggs, \$2 per 13. B. B. YOUNG, Cumberland, Md. 12-8

**Single-combed Black Minorcas. At Recent Show** in West Haven in strong competition—1st cock, 1st and 2d hen, 1st and 4th cockerel, 1st and 3d pullet. Special for best shaped Minorca female, and silver cup for best display. Send for mating list. Fine cockerels for sale. RICHARD M. RICE, North Haven, Conn. 12-8

**Eggs from My Prize Winning S. C. Black Minor-** cas guaranteed to hatch. Stock for sale. Write for prices. NILES M. SMITH, Chatham, N. Y. 12-8

**Krenn's S. C. Black Minorcas—Winning at New** York State Fair, 1906, four firsts, three seconds. A fine lot of young and old stock for sale. Eggs in season. Circular free. JOS. G. KRENN, 114 Beecher St., Syracuse, N. Y. 12-8

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**S. C. B. Minorcas of Finest Quality. My Birds** are all Standard bred, Northrup strain, and fit to win in any company. Eggs, \$3 per setting. W. H. WALKER, Hamden, Conn. 12-8

**Mountain View Poultry Yards—Wolford's Ken-** tucky Queen S. C. Black Minorcas. Eggs for hatching, \$2 per 15; \$10 per 100. Write for circular. When writing mention The Feather. D. C. WOLFORD, Prop., Schoharie, N. Y. 12-8

**Rose and Single-combed Black Minorcas Exclu-** sively. Eggs, \$1 per setting of 15. Pleased customers everywhere. Write for circular. THEODORE W. KOOP, New Bremen, Ohio. 12-9

**Exclusively High-class, Rose-combed Black Mi-** norcas. Eggs. Prize winning stock. Pen of ten averaged the past year 204 eggs. Book your order now. G. S. TREDWAY, 310 So. 4th St., Coshocton, Ohio. 12-9

**Minorcas in All Their Purity, the Largest Non-** setters on record. My birds are not in-bred, and are up to the standard on weight. R. C. Black, S. C. Black, and S. C. White. Eggs, \$1 per setting. LOUIS WABER, New Gallie, Pa. 12-9

**Minorcas—Black—Diamond Strain—Five Pens; All** overweight; none better; satisfaction guaranteed; twenty-three years breeding them. Write CHAS. W. BROCKWAY, Monsey Ave., Scranton, Pa. 12-9

**Minorcas! R. C. W., R. C. B., S. C. W., S. C. B.** The only plant in the world raising all varieties; 80 acres devoted to them; 180 prizes. If you want good layers (240-egg strains) and prize winners, we have them. Fine cocks and cockerels for sale. Eggs—\$3.50 per 15; \$6 per 30. THE MARYLAND POULTRY FARM CO., incorporated, Annapolis, Md. 12-9

## RHODE ISLAND REDS

**Shove Will Sell a Few of His Best Breeders of** Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-9

**R. C. R. I. Reds. Eggs in Season, \$1 and \$1.50** for 15. H. R. ARMSTRONG, Route No. 1, Box 73, Edgerton, Kans. 12-9

**Rose Comb Rhode Island Reds—Themselves Win-** ners and are first generation descendants of Chicago-Detroit prize birds. Eggs, living prices. J. A. CLARK, Remington, Ind. 12-7

**Rose Comb Rhode Island Reds. Line Bred and** bred for business. Five grand pens that would be hard to beat. 15 eggs, \$1.50; 60 eggs, \$5.50. Satisfaction guaranteed. O. J. YOUNG, Route 3, Dayton, Ohio. 12-7

**Rose Comb Rhode Island Reds. Eggs, \$2 per 15.** Winners at this winter's shows. Birds all score over 90. Write for description. Satisfaction guaranteed. ROBERTS POULTRY FARM, Salem, Mich. 12-7

**R. C. Rhode Island Eggs for Hatching, \$1 per** setting, \$5 per 100. Turtles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

**Rose Comb Rhode Island Reds! Eggs from Fine** stock, any number wanted. Healthy standard-bred birds. Fair deal assured. HUGH HAYNES, Prairie du Rocher, Ill. 12-7

**Tuttle's R. I. Reds! Pure Robt. C. Tuttle's** strain. 3 R. C. cocks and a lot of gilt-edge R. C. cockerels and pullets. Nothing less than \$2 each. Eggs, \$1.50. ARTHUR LOPER, Port Jefferson, N. Y. 12-7

**Rhode Island Reds—Winners at Rome, Ashley,** and Lima. Send for free mating list and winnings. Eggs from grand matings at a very reasonable price. Correspondence a pleasure. Mention The Feather. WHITE BROS., Route 3, Sunbury, Ohio. 12-7

**Wilson's Rose Comb Rhode Island Reds Have No** superior. My pens are headed by cockerels sired by second prize cock at Madison Square Garden, in January, 1905. Eggs 13 for \$2; 39 for \$5. EDWIN M. WILSON, Babylon, N. Y. 12-7

**Single Comb Rhode Island Reds. 25 Prizes Won** at New York, Hagerstown, Mineola. Send stamp for egg circular. ROBERT SEAMAN, Box 17, Jericho, N. Y. 12-10

**"Hearts Desire" Rose Comb Reds. Eggs, \$2** per 15. Eggs from Indian Runner Ducks, \$1 per 11. W. P. STEWARD, Ocean Avenue, New London, Conn. 12-7

**Standard Bred Rose Comb Rhode Island Reds.** Great layers and red to the skin. Eggs, \$1.50 per 15; \$6 for 100. C. SWANSON, Sycamore, Ill. 12-10

**Thoroughbred Rhode Island Reds, and Black** Minorcas; selected for size, color, and heavy egg production. Eggs, \$1 per setting. BENJ. VAN KEUREN, Bloomington, N. Y. 12-8

**Single-combed R. I. Reds. Eggs for Hatching,** \$1 and \$2 for 15. CHAS. WORRICK, Akin, N. Y. 12-8

**S. C. R. I. Reds Exclusively. Specially Mated** utility pens. Great winter layers. Eggs, \$1 for 15; \$4 for 100. MRS. F. B. MAXHAM, Bethel, Vt. 12-8

**Rose-combed Rhode Island Reds Exclusively;** farm raised. Get my prices before buying stock or eggs. Member of Rhode Island Red Club of America. F. A. TATE, Garden Prairie, Ill. 12-8

**R. C. R. I. Reds Exclusively. Eggs from Prize** matings. Pen is headed by bird that scored 92½ in Hamden, 1906. Eggs, \$1 per 13. JOSEPH ROWAN, North Haven, Conn. 12-8

**Shook's Rose-combed Reds Are the Real Thing;** all won at Hagerstown. Seven prizes, Harrisburg. Three firsts won at Washington, 1907. Stock and eggs. Free circular. SHOOK, McGeysville, Va. 12-7

**Standard and Utility Bred Rose-combed Reds;** won wherever shown and unexcelled layers. Eggs, \$2.50 and \$5 setting; \$10 per 100. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

**"Martin's Ideal Princess" Strain, R. and S. C.** breeders in both combs, scoring better than 90. Egg circular for stamp. DR. J. MARTIN, Eureka Springs, Ark. (Formerly of Wichita, Kans.) 12-8

**Over 150 Prizes on My Rhode Island Reds during** last three years. Eggs, from either comb, \$2 per 15. E. O. CORNFORTH, Slatersville, R. I. 12-8

**The Highest Grade Rhode Island Reds Exclu-** sively, winning State Cup, 7 firsts, 5 seconds, 1 third, at Lafayette. Free circular. DR. GEO. BENTON, Elkhart, Ind. 12-8

**Single-combed Rhode Island Red Cockerels That** are red, at right prices. Eggs in season. LEON H. ROUECHE, Guy's Mills, Pa. 12-8

**Thornwood Farm Single-combed Reds, Thompson's** strain; stock fine; eggs \$1 setting; \$5 per 100. S. R. MILLER & SON, Chambersburg, Pa. 12-8

**For Choice Standard Stock and Eggs from Reds** that are red, either comb, settings, \$1; 100 \$5. Write. WILLIS SLATE, So. Windham, Conn. 12-8

**Rose-combed Rhode Island Reds. Special Mat-** ings, eggs, \$1.50; utility matings, eggs, \$1 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa. 12-9

**Rose-combed Reds. Tuttle-Anderson Strain,** prize stock; eggs for hatching, \$2 per 15. H. A. HAGERMAN, Box 18, Mahwah, N. J. 12-8

**S. C. Rhode Island Reds, Bred to Lay, Eggs** for hatching, \$1.50 per setting. Satisfaction guaranteed. CHAS. F. HEILAND, Illon, N. Y. 12-8

**Rhode Island Reds, 200-Egg Strain, Rose and** Single-combed. Twelve years breeder and exhibitor; 15 \$1.50; 40 \$3. ROBERT WALLACE, Box 80, Athol, Mass. 12-8

**Place Your Order With Me if You Want Rose or** Single-combed Rhode Island Red eggs for hatching. I have been breeding them exclusively for 15 years. I have them as good as the best. I have the laying kind as well as for the show room; \$1.50 per 15. RUDOLPH HATTAL, 6164 Ridge Ave., Roxboro, Philadelphia, Pa. 12-7

**Sibley's Rose-combed Rhode Island Reds. First** prizes at Detroit and Chicago, 1906, and sweepstakes prizes at both exhibits. Bred for laying, qualities, size, shape, and color. Cockerels for sale; eggs in season. FRANK CHURCHILL SIBLEY, South Bend, Ind. 12-8

**Eggs for Hatching. Rose-combed Rhode Island** Reds, Tuttle strain. White Wyandottes, Clement and Fike strain. Write for prices. H. E. GERBIG, Chambersburg, Pa. 12-8

**Single-combed Rhode Island Reds, 15 Good Select** cockerels for sale, and eggs in season from fine matings. Circular free. S. SPITLER, Reading, Mich. 12-8

**Hubbell's Reds, R. and S. Comb Are Winners.** Barred and Buff Rocks are warm members. Write. C. E. HUBBELL, Cold Brook Poultry Farm, Westmoreland, N. Y. 12-8

**Single-combed R. I. Reds Exclusively, Standard** stock; eggs for hatching, \$1 for 15; incubator eggs, \$5 per 100. J. E. TEEPLE, Ferndale, N. Y. 12-8

**Rose-combed Rhode Island Reds—Red to the Skin.** Bred from show stock. Pens selected by Rhode Island Red experts. Eggs \$2 per 15; \$5 per 100. J. E. DAVIDSON, Kipton, Ohio. 12-8

**If It's Rose-combed Rhode Island Reds, Learn** about a quality strain. Booklet of facts and helps free. RED JACKET POULTRY YARDS, Ray, Ind. 12-8

**S. C. Rhode Island Red Eggs for Sale from Good,** strong, well marked stock; \$2 and \$3 per 30. MRS. HARLEY NETTLETON, Benedict, Nehr. 12-9

**S. C. R. I. Reds Exclusively, Bred to Lay Strain.** Eggs, \$2 per 15. DR. G. W. BROWNING, San Antonio, Tex. 12-8

**Rhode Island Reds, Bourbon Red Turkeys, Duroc** Jersey Swine. Send for my 1907 catalogue and get prices of 15 varieties. Eggs for sale in season. E. F. TRIMBLE, Benton, Ky., R. No. 8. 12-8

**S. C. R. I. Reds Exclusively. First Prize Win-** ners at '05, '06, and '07 shows; are what you get when you get stock from GEO. L. RICHARDS, Cresco, Iowa. Eggs for hatching. 12-8

**Single-combed. Four Firsts, Geneva. Nearly All** best prizes, Cleveland, including 1st breeding pen and Silver Cup best display. Egg catalogue free. IRA M. CROWTHER, "F," Willoughby, Ohio. 13-5

**Rhode Island Red Specialist. Single and Rose-** combed. Eggs, \$3 per 15; \$5 per 30; from Red winners, no other grade. Satisfactory batch guaranteed. P. I. HORNING, Alden, Minn. 12-10

**Rose-combed Reds—Eggs from Matings That Pro-** duced 1st, 2d, 3d, 4th and 5th cockerel and 1st, 2d, 3d and 5th on pullets and silver cup, \$2 per 15. Ben Myers, judge. A few cockerels for sale yet; score card with each bird. MAPLE GLEN POULTRY YARDS, D. D. Budy, Prop., Sugar Creek, Ohio. 12-8

**Single-combed R. I. Reds. Beautiful, Dark Red** birds; large size and heavy layers; won 3d and 4th pullet on two entries, Am. Poultry Asso. Show, Auburn, 1907. Eggs, \$1 and \$2 per 15. HARVEY H. WHITMYER, Box 603, Schenectady, N. Y. 12-8

**Madison Square Garden, New York, Winnings** 1905-06 on Rhode Island Reds; eggs, \$1.50 per setting; \$5.75 for 50; shipped any distance. WALKING HENNERIES, West Medford, Mass. 12-11

**Rose Comb Reds and White Rocks Bred from** prize winners. A few Red cockerels for sale. Eggs for hatching. W. C. ARGOE, Olney Station, Philadelphia. 12-8

**Single-combed Rhode Island Reds, White and** Golden Wyandottes. Finest blood lines in America. Eggs, \$2.50 per 15. Stock a matter of correspondence. A. J. SPAHR, Spry, Pa. 12-8



Send 2-cent Stamp for Catalogue; Gives Price on eggs and birds; contains sixteen cuts of prize winners, made from life; many pointers on poultry, egg-laying, and prize-winning Rhode Island Reds. BIXBY & BIXBY, Council Bluffs, Iowa. 12-9

Rose-combed R. I. Reds—Prize Winners Wherever shown. Eggs, \$1.50, \$2 per setting, 15 eggs. We are one of the oldest breeders in Ohio. Good stock for sale and eggs in season. M. M. MIESSE, Lancaster, Ohio. 12-9

Rose-combed Reds, Bred True to Color, Shape and size. Prolific layers; satisfaction guaranteed. Eggs, \$2, 15; \$8, 100. P. A. GRAFF, Jamesburg, N. J. 12-9

Rose-combed Rhode Island Reds. Prize Winners. Eggs, best pen, \$3 per 15; second pen, \$1 per 15. Cockerels, \$1.50 to \$10. MRS. E. G. CROSLLEY, Farina, Ill. 12-9

Rose-combed Reds, Yards Headed with Cock scored 94½; pullets, 94½. Eggs, \$3, 15. Silver-laced Wyandotte cockerel, scores 93½; pullets, 95. Eggs, \$3, 15; scored by Riggs and Humlick. Won the blue every time showed. WILL THOMAS, Belleville, Wis. 12-9

Red Cherry Strain, Rhode Island Reds. Eggs from first prize winners at Providence, R. I., Springfield, Mass., Wyalusing, and six prizes on six entries at the great Quality Poultry Show, Scranton, Pa. A. H. SINSABAUGH, Wyalusing, Pa. 12-9

Cliff Crest, Rose and Single-combed Reds. Eggs, \$3 per 15. Not a bird scores less than 91. Cockerels for sale. J. B. CLIFFORD, Wellington, Ohio. 12-9

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Eggs and Cockerels, Laying Strain, Rhode Island Reds, males and hens, large and fine. 15 eggs, \$2. I. A. CONKLIN, East Falls Church, Va. 12-7

High-grade R. I. Reds, Buff Orpingtons. No culls. Will please you. Eggs, \$1.50 for 15. W. D. McLAUGHLIN, Cleveland, N. C., Route 1, Box 52. 12-9

Single-combed Rhode Island Reds. Winners at Johnston, Gloversville, 1 pen, 1 pullet, 2 cockerels. Eggs, \$3 and \$2. E. J. STEELE, Gloversville, N. Y. 12-9

Rhode Island Reds; Both Combs. Eggs for Hatching from prize winning stock, \$2 for 15; \$3 for 30. Also Black Orpington Cockerel for sale, rose-combed, \$2. G. H. HOAG, Congress Heights, D. C. 12-7

Rose-combed Rhode Island Reds, the Finest strain; also Bred Plymouth Rocks bred for eggs; none better. Eggs, 15 for \$1. Address PETER U. MILLER, Easton, Pa. 12-10

Rose-combed Rhode Island Reds Exclusively. We won silver cup at Philadelphia for best display; first prizes there, at Washington, D. C., and Wilmington, Del.; all in 1907. Write for booklet for prices, matings and winnings. Eggs for sale. GEORGE H. HOLLIS, 3 E. Ninth St., Wilmington, Del. 12-9

Rose-combed Rhode Island Reds; Excellent Matings; "Tuttle Strain." Eggs—\$1 per 15; \$4 per hundred. Circular free. J. D. KEEFER, Millersburg, Pa. 12-9

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Holcomb's Improved Rhode Island Whites. Great winter layers from prize stock. Pairs, \$5. Eggs, \$2 per 15. DR. HOLCOMB, Cherry Creek, N. Y. 12-7

The R. I. Whites Are Very Desirable if the Largest profit is looked for. For quick matings and as layers they equal the Leghorns. As dressed poultry they have no superior. Interesting catalogue free. HOME OF THE R. I. WHITES, Wakefield, R. I. 12-10

Rhode Island Whites Are Best Winter Layers, an excellent all-round fowl. Eggs \$2 per 15. And matings. WM. R. QUIMBY, Peapack, N. J. 12-7

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200 Chicks. Best I Ever Raised, Red Pyle, Black Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. 12-9

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Black, White and Partridge Pekins, Golden and Silver Sebrights, Red Pyle Game Bantams, R. C. Brown Leghorns and Buff Orpingtons, stock and eggs. J. SHERIDAN WELLS, Greenport, N. Y. 13-4

Buff and Partridge Cochins and Light Brahma Bantams, Red Bald Head and clean leg performing tumblers; some good birds for sale. MORGAN STINEMETZ, Washington, D. C. 12-8

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Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

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Selling Out All My Imported O. E. Spangled Game Bantams, cheap. Write quick and get a bargain. Will breed exclusively, my White Polish Bantams, winners, New York and Boston. Eggs, \$4 setting. AIREDALE BANTAM YARDS, Dalton, Mass. 12-9

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Nabob Strain White Cochins Bantams. Smallest, whitest and best Bantams raised; none better. Also a few choice Partridge Wyandottes. DR. JOHN L. MARSH, Brownsburg, Ind. 12-9

Buff Cochins Bantams Cheap to Close Out. J. D. FOLEY, 141 Eleventh St. S. E., Washington, D. C. 12-7

Buff Cochins Bantams; Three Carefully Mated Pairs of these beautiful little birds. Eggs \$2 for 15. GEO. V. FRYE, Lexington, Ohio. 12-7

Buff and Black Cochins Bantams; Winners at New York, Stamford, and White Plains; 1st cock, 1st hen, 1st cockerel, 1st pullet—Madison Square Garden on four entries in Blacks. These birds and others just as good in my yards. A few birds of blue ribbon quality to spare. JAMES B. N. FITCH, Mt. Vernon, N. Y. 13-6

Winner of Silver Cup for Best Display of B. B. R. Game Bantams at Philadelphia Show. Eggs \$5 for 15. Three very light cockerels for sale. WM. E. STOCKLEY, 4529 Springfield Ave., Philadelphia, Pa. 12-9

Partridge Cochins and Rose-combed Black Bantams for sale. Eggs \$2 setting. 80 pair colored Homers (Workers), \$80; 50 pair large White Dutchess, \$2 pair; 10 pair White Homers, \$2 pair. M. E. RIDGELY, Benson, Md. 12-7

Frank A. Shantz, Richland Center, Pa., Breeder of Buff Cochins Bantams. Eggs \$2 per setting. Also a few choice birds for sale. 12-9

Grand Cockerel Breeding Pen of Black Red Bantams (pure Ainscough). Cockerel, 1st Eastern Ontario, and 4 tall, stylish females, \$30 the pen; Grand pullet breeding pen, imported direct from (San), cockerel and four females, \$30 the pen; also three extra small, tall Duckwing pullets, and three beautiful Birchen females, one pullet and two hens. Write at once to ROOK BROS., Prescott, Ontario, Canada. 12-7

Partridge Cochins Bantams; Little Beauties, Grand shape and penciling, extra-heavy toe feathering; highest honors at three leading shows. Prices reasonable. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-9

Golden Sebright and Buff Cochins Bantams. Choice cockerels \$2 each. Sebright eggs, \$1.50 setting; Cochins—\$1.25 setting; two settings \$2. F. LAUX, 85 Lowell St., Rochester, N. Y. 12-9

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Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. 12-9

Black Javas, Queens of Winter Layers. Eggs, \$1 per setting; some fine pullets for sale, \$1 each; cockerels, \$2 each. JOHN CRUISE, Logan, Ohio. 12-8

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For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. 12-9

S. C. Buff Orpingtons Exclusively. America's best blood. Eggs, \$2 and \$3 a setting. Choice cockerels for sale. ARCH. L. HANSELMAN, Russellville, Ohio. 12-7

Rose-combed Buff, Rose and Single-combed White Orpington, Rose Comb White Minorca stock and eggs for sale. Get my egg circular. B. WENK, Washington, Ill. 12-7

White Orpington Home. America's Largest specialty single comb White Orpington Farm. Hundreds of prizes won on birds of my breeding every year. Birds in any number. Eggs from the very best prize matings I ever owned, 15 for \$3; 30, \$5. Hatch guaranteed. EARL L. COOK, Munsville, N. Y. 12-7

S. C. Buff Orpingtons. Won 4 Firsts, 2 Seconds, 1 third, 1 fourth, and cup for best display at Wallingford, 1906-7. 83 birds in class. Stock for sale. Eggs, \$2 per 13. JOSHUA A. SHUTE, Meriden, Conn. 12-7

White and Buff Orpingtons. Whites Winners of State cup. Cockerel and 8 pullets. Rose comb Black Orpingtons for sale. IRVING CROCKER, Seneca Falls, N. Y. 12-7

Buff Orpingtons and Black Minorcas. Booking orders for baby chicks, Orpington cocks, and cockerels. Eggs for sale. Write. A. B. WILLETT & SON, Anderson, Ind. 12-8

Single-combed Buff and Black Orpingtons. Winners at New York, Hartford, Wallingford, Middletown, Guilford, and Willimantic. Eggs, \$3 and \$5. Mating list. TYLER CRUTTENDEN, Norwich, Conn. 12-8

450 Buff, Black and White Orpingtons for Sale this month, and eggs, at a bargain. Circular free. LEWIS C. BEATTY, Box F, Washington, N. J. 12-8

S. C. Buff and Black Orpingtons, Duke of Kent strain. Salmon, Faverolles, Boston, and Milford prize winners, 1907; 15 eggs, \$2. ARTHUR WAITE, Rockville, Mass. 12-8

Single-combed Buff Orpington and White Plymouth Rock eggs for sale, \$1.50 per 13; from fine thoroughbred stock. MRS. BELLE DAVIS, Pawling, N. Y. 12-8

S. C. Buff Orpingtons, the Best General Purpose Fowls. Eggs from prize stock, \$2 per 15; satisfaction guaranteed. I. L. DAVIS, Star Delivery Chili Station, N. Y. 12-8

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out. Newly-hatched chicks. Eggs in season, \$2 and \$3 a setting. H. FEARSON, 500 Valley St., South Orange, N. J. 12-9

S. C. Black Orpingtons. At Chicago, 1907, I Won 1st cock, 5th hen, 4th pullet; Milwaukee, 1907, 1st cock, 1st, and 3d hen, 2d ckr'l, 3d, and 5th pullet, 1st pen, Silver Cup for best display. Eggs, \$3 and \$5 per 15. Send for list. G. E. GREENWOOD, Lake Mills, Wis. 12-9

Single-combed Buff Orpingtons Exclusively. Large buff birds. Eight entries won seven prizes. Eggs for hatching at reasonable prices. J. B. KERN, Neffs, Pa. 12-8

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 specials, 5 entries, 3 pens headed by first prize birds. Interesting booklet free. MONACA FARM, Monaca, Pa. 12-11

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUPT CO., Easton, Pa. 12-11

My Pens of Single-combed Buff Orpingtons Are headed by prize male birds; eggs, \$2 per 13. F. W. HAVENS, 72 Monmouth St., Springfield, Mass. 12-8

Black Orpingtons. Since 1903 2 Varieties, Single-combed Whites; first, Hartford, Springfield, Worcester, Portland, Brocton, and Boston; eggs, \$3. C. E. SHAFER, East Brookfield, Mass. 12-8

Orpingtons, Buff, Blacks—Have Mated for Spring trade fifteen pens; eggs, \$2 and \$3 per 15; stock for sale; send for circular. GEO. H. HERBICK, Durand, Mich. 12-8

S. C. Black Orpingtons. Won 1st Cock, 1st, 2d cockerel, 1st, 2d hen, 1st, 3d pullet at St. Louis Butterfield, judge; stock for sale; eggs, \$5 for 15; \$9 for 30. JOHN HETTICH, Bowling Green, Mo. 12-8

Single-combed Buff and Black Orpingtons. Eggs from prize winners, \$2 per 15; \$5 per 40. LOCUST RIDGE FARM, Box 276, Milton-on-Hudson, N. Y. 12-9

Single-combed Black and Jubilee Orpingtons. Pens headed by 1st prize cocks. Best layers on earth. Nest records. W. S. SIGGINS, Great Barrington, Mass. 12-9

Pure-bred Buff Orpingtons and Barred Rocks, Ringlet strain. Stock and eggs for sale. EMPIRE STATE POULTRY YARDS, J. J. Cummings, Apulia, N. Y. 12-9

S. C. Buff and Black Orpingtons. 1st Pullet, Dayton, 1905; 1st, 2d hen, 1st, 2d pullet, Springfield, 1906; 1st pullet, Tiffin, 1907; 1st pen, silver cup, Newark, 1907. Eggs and stock, choice breeders. T. A. BEACH, Delaware, Ohio. 12-9

Swonger's Golden Buffs Unexcelled Rose-combed Orpingtons and Single-combed Leghorn Eggs, \$1.50 per 15. Satisfaction guaranteed. Z. E. SWONGER, De Graff, Ohio. 12-9

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. 13-6

Watling's S. C. Black Orpingtons; Four Years winners at Auburn; no other fowls kept. Ask for egg circular. WATLING & CO., Seneca Falls, N. Y. 12-9

S. C. Black Orpingtons. Some Bargains in Choice cockerels. Eggs \$3 per setting. MRS. H. WEDDERSPON, Perthmoor Farms, Cooperstown, N. Y. 12-9

S. C. Black Orpingtons. Some Bargains in Choice vigorous and healthy. Best eggs, \$2.50 per 15. Incubator eggs, \$6 per 100. This season's breeders for sale after June 1. A. G. HOCH, Storm Lake, Iowa. 12-9

Imported Buff Orpingtons! They Are as Fine as money can buy. My matings last season proved a grand success; the pens remain the same for 1907. Eggs from these yards will give you choice stock, \$2.50 for 15. GEO. V. FRYE, Lexington, Ohio. 12-7

S. C. Buff Orpingtons. Type and Size Is My constant aim. Every bird over weight and a typical Orpington. Imported cockerel heads first pen, son of first international cock, England. Eggs \$3 for 15; fertility guaranteed. H. H. KINGSTON, Member National Single Comb Buff Orpington Club, Brighton, Rochester, N. Y. 12-9

Rose and Single-combed Buff Orpington Eggs, and mommoth Pekin Duck eggs, \$1 to \$2 per setting. WAKE FOREST POULTRY YARDS, L. B. Derby, Propr., Wake Forest, W. Va. 12-9

S. C. Buff Orpingtons, Cockerels, and Pullets, \$1 to \$3; exhibition birds, \$5. Eggs—\$2, 15; \$3, 30. The old reliable Orpington breeder since 1898. MRS. W. N. MARSHALL, Fayette, Mo. 12-9

S. C. Black Orpingtons of One Finest Quality. Winners at the great Philadelphia Show. Eggs, \$3 per 15. GEO. B. EDWARDS, Church Lane, Landsdowne, Pa. 12-8

## BRAHMAS

For Breeding Stock or Eggs Be Sure and Write me your wants. I am an exclusive breeder of Light Brahmas and guarantee satisfaction or money cheerfully refunded. JOHN R. KEEFELINE, Council Bluffs, Iowa. 12-7

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Johnston; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 13-4

Light Brahmas—Winners Wherever Shown. Cockerels, \$2 to \$5 each. Eggs, choice mating, \$1 and \$2 per 15. IRVING V. DICKINSON, Higanum, Conn. 12-7

Light Brahmas. Choice Cockerels, Eggs \$1 per 13; \$5 per 100; stock on free range; satisfactory results guaranteed. PINE TREE POULTRY FARM, Dublin, Pa. 12-7

Light Brahmas—Eggs from My Premium Pen, headed by Felch Strain, blue ribbon male, \$2.50 per 15. F. L. SMITH, Box 394, Lexington, Ky. 12-7

Light Brahmas Only; Hardy Stock; Bred for Winter layers. Large brown eggs, \$1 for thirteen. HAYSTACK MOUNTAIN FARM, Norfolk, Conn. 12-8

I Am the Light Brahma Breeder That Captured all the blue ribbons at the Illinois State Fair. Can fill orders for show birds or eggs. M. O'LOUGHLIN, Bement, Ill. 12-8

Light Brahmas, Mammoth Strain. The Great World's Fair winners. We have a fine lot of birds for sale, prices right, satisfaction given. Eggs, \$3 for 15. H. T. ROGERS, Box E, The Elms, Cainsville, Mo. 12-8

Light Brahma and Pekin Ducks for Sale. High-grade eggs in season; special prices on large orders. LIGHT BRAHMA AND PEKIN DUCK FARM, Brodhead, Wis. 12-8



1868-1907—Star Strain Light Brahmas; 3 on Pen, Boston. Eggs, \$3 per setting. For stock or eggs address, DR. N. V. HUTCHINSON, North Abington, Mass. 12-11

Light Brahmas Exclusively. Eggs, 15 \$3; 30 \$5. Ballston, Albany, Schenectady, and Gloversville winners; selling stock. EAST VIEW POULTRY YARDS, Box D, Ballston Spa, N. Y. 13-3

Light Brahmas. Eggs and Stock for Sale. Have bred 15 years for winter layers; none better; write for prices. O. A. WARD, Upper Marlboro, Md. 12-8

Mammoth Light Brahmas, Pure Bred Stock, \$2 to \$10. Eggs, per setting, \$3; two settings, \$5. DR. J. R. ALLEN, Orwell, N. Y. 12-7

For Sale—Pure-bred Light Brahma Cockerels, \$2 each. After Feb. 25, Light Brahma, also Rose-combed Brown Leghorn eggs, \$1 per setting of 15. Stocks and eggs as represented or money refunded. C. D. ADAMS, Johnstown, Ohio. 12-9

Pure-bred Light Brahmas, Farm Raised, Healthy stock. Eggs, \$1.50 per 15, reduction on large orders. MRS. JOHN GARD, Box 31, Clay City, Ind. 12-9

Light Brahmas (Nettleton's Direct) Choice Cockerels, \$3 to \$5; pullets, \$2. Eggs \$2 setting. Large White Rock Cockerels (Peapack Farm) \$3 to \$5. Eggs \$2 setting. M. E. RIDGELY, Benson, Md. 13-3

Light Brahmas Exclusively; Winners at All the large shows. Eggs from six grand matings, \$3 for 13. BALCH & BROWN, L. B. 364, Manchester, Conn. 12-9

Light Brahma Cockerels, \$5 each; Pullets, \$3.50; from pen headed by Rollins' Madison Square winner. Eggs \$3 per 13. CHAS. H. RITCHER, 65 Boyd Ave., Jersey City, N. J. 12-9

## FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvellers. Send stamp for circulars. Dr. PHELPS, Glen Falls, N. Y. 12-11

English Salmon Faverolles. Eggs for Hatching, \$2.50 and \$5 per 15; fertility guaranteed; stock for sale after July 1. Circular free. L. R. SEBRING, Bellefonte, Pa. 12-10

Salmon Faverolles, "King of Utility"—Greatest layers and best market fowls. Eggs, \$2.50 per 15, or \$10 per 100. Lakenvellers at same price. C. SWANSON, Sycamore, Ill. 12-10

Salmon Faverolles. Our Birds Are Bred to Win and lay. Won first in New York in 1907. Circular free. C. S. HARMA, West Hebron, N. Y. 12-12

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Blue Andalusian Exhibition and Breeding Birds a specialty; choice strain for heavy laying; eggs and stock for sale. JOHN H. WHITE, Anacostia, D. C. 12-7

Andalusians. My Peerless Blue Strain Have won one hundred premiums; best pens this year ever had; eggs for hatching; circular. B. QUACKENBUSH, Baldwinville, N. Y. 12-7

Blue Andalusians and Silver-laced Wyandottes. Choice stock. I breed from nothing but show birds; stock reasonable. Eggs, 15 \$1.50; 30 \$2.50. Write for descriptions. FRED JENNER, Troy, Pa. 12-7

Blue Andalusians and Golden Wyandottes, Winners at Cleveland, Ohio, 1907. Eggs, \$1.50 per 15; 50 eggs, \$3.50; 100 eggs, \$6. W. C. FOOTE, Wellington, Ohio. 12-8

Single-combed Blue Andalusians, 13 Eggs \$1; from prize winning strain of choice birds. I can please you. CHAS. M. PALMER, Nassau, N. Y. 12-8

Blue Andalusians. Bred for Vigor, Utility, Beauty. Eggs, \$2 per 15; \$3.50 for 30. ROBERT R. STREET, Falconer, N. Y. 12-6

Imported Blue Andalusians Exclusively. I Supply annually the choicest prize winners for America's leading shows. Fine stock for sale. Eggs, \$2, 15. Satisfaction guaranteed. Write W. T. NAYLOR, 161 Forbes Street, Painesville, Ohio. 12-9

The Bluest of Blues. Won First Cock and Cockerel at Madison Square, New York, Philadelphia, and Pittsburg. Eggs, \$3 per setting. T. F. BEST, Wilkinsburg, Pa. 12-9

## ANCONAS

Mottled Anconas; Marsh's Strain; Beautiful birds; great layers. Eggs and stock. Circular for stamp. ANCONA POULTRY YARDS, Dr. Marsh, Proprietor, Route 8, Oswego, N. Y. 12-9

Ancona Cocks, Cockerels, Hens, and Pullets Sold in any shape to suit the purchaser. Write to CHAS. F. HIGGS, Box 47, R. 15, Broadway, Va. 12-7

Try Burt's Anconas. The Great Egg Producers. Bred for utility and beauty. We always win. Fifteen eggs, \$1.50. BURT & SON, Machias Junction, N. Y. 12-8

We Are Breeding Anconas. Our Circular Gives the reason. Send for one and learn about the greatest egg producers. GEO. SHERWOOD, Greene, N. Y. 12-8

Mottled Anconas and White Wyandottes. We have mated up some good pens of each, and are booking orders for eggs. Let us book yours and we will both be pleased. F. L. SNYDER & CO., Lexington, Ky. 12-8

Anconas, The Laying Strain. That's the Kind I have. They are little business beauties. Eggs, \$1.25 per setting. MAX KEMERY, Johnstown, Pa. 12-8

C. A. Knight, Olena, Ohio, Breeds the World's best Anconas; one-half the first prizes at 11 shows; circular gives prizes and scores; cockerels, eggs. 12-8

Thornley's Strain of Anconas, Best Winter Layers in existence; bred for heavy egg production and standard requirements. Prize winners. Yellow shanks and dark under-color, well mottled. Eggs, \$1.50 per 15. Circular free. RIVER VIEW POULTRY FARM, Willard J. Thornley, Mgr., R. D. 7, Marietta, Ohio. 12-9

Winter Layers. Mottled Anconas. Eggs \$2 a setting. S. C. Brown Leghorns. Eggs \$1.50 a setting. A. S. DALTON, Kensington, Md. 12-8

## COCHINS

Cochins, White, Black Partridge. Winners at New York and Pittsburg; good breeders; \$3 each. Eggs, \$3. Will close out our stock of Blacks at bargain. D. C. PEOPLES, Uhrichsville, Ohio. 12-8

Buff Cochins a Specialty. Stock for Sale, Old and young. Eggs for hatching. J. J. WOLF, Wolfburg, Pa. 12-7

Buff Cochins Eggs, \$1.25 per Setting of 13 Eggs. Pure Breed. RUTH PECK, Harrington, Del. 12-7

Buff Cochins and S. C. Barred Plymouth Rocks for sale. Eggs in season at reasonable prices. MRS. C. T. CRAMER, Barrackville, Marion Co., W. Va. 12-8

Evergreen Cochins Farm. Dark Brahmas, Black, White, Buff, and Partridge Cochins. Stock for sale from our Ohio State Fair winners. Eggs in season. Satisfaction guaranteed. C. W. SMITH, Cardington, Ohio. 12-8

Buff Cochins Won at La Crosse, Wis., 1907, 1st cockerel, 1st pullet, 2d and 3d pullet on five entries. Eggs, \$2 per 15. FRED KLETT, LaValle, Wis. 12-8

Buff Cochins—Choice Stock for Sale. Eggs from 94 1-2 to 95 1-2 point pens. Scored by Russell and Hewes. J. C. MITCHEM, Marshalltown, Iowa. 12-8

Partridge Cochins Exclusively. Winners at Boston, Hagerstown, Atlantic City, and Providence. At Boston, 1907, 1st cockerel, 1st pullet, 3d hen. Eggs and stock for sale. R. JOHN DAVEY, Westerly, R. I. 12-9

## GAMES

Exhibition Black-breasted Red Games; High Station; fine color. A few birds for sale. Eggs, \$3 per 15. H. T. HERMAN, Carlisle, Pa. 12-7

Warhorse Pit Games. Pure Hopkinson's Cocks, hens, stages and pullets. Genuineness guaranteed. Have circular. Eggs \$3 setting. Hatch guaranteed. TOLBERT & WEBER, Fairbury, Ill. 12-7

Cornish Indians! Thoroughbred Exhibition Stock. Have remarkable laying strain, bred from my best winter layers. 15 eggs \$1. SAMUEL A. WHITE, Timberville, Va. 12-7

Heavy Weight, English Black-breasted Red Pit Games; Tom O'Neil, Kentucky Dominiques, Irish Greys. Eggs, \$2 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-7

White Indian Games. Buckeye Reds. Stock of high standard. Eggs: Games, \$2; Reds, \$2, per setting. Stock a matter of correspondence. Photos of birds sent on request. C. W. NEWMAN, Chambersburg, East End, Pa. 12-7

Pit Game Fowls—Send 2c. Stamp for My Large nineteenth annual circular, giving descriptions of the different breeds, portraits from life, price, etc. Address AL. C. ZIEGLER, 144 S. Queen St., York, Pa. 12-7

Pure Southern Games. Inclose Stamp for Circular and reply. P. H. WOFFORD, Johnson City, Tenn. 12-8

Cornish Indians, First at Philadelphia, Hagerstown, Allentown, Harrisburg, etc. Circular G and mating list free. R. D. REIDER, Route 2, Middletown, Pa. 12-8

Game Eggs, \$1. Beauty and Utility, I. B. B. Reds, Tornadoes, Silver, Gray, Hathwoods, Cornish Indians, \$2; Whites, \$3. C. D. SMITH, Fort Plain, N. Y. 12-8

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Cornish Indian and Black Red Malay Game Eggs, \$1.50 per 15; Barred P. Rocks, \$1. Stock for sale. Inclose stamp. H. B. SWARNER, Plainfield, Pa. 12-8

Prize Winners, World's Fair, Indianapolis, Cincinnati, in Pit Games, Exhibition Games, Red Pyle, Black-breasted Red and Cornish Indian Games. Stock and eggs. WESLEY LANIUS, Greensburg, Ind. 12-8

For Sale—All My Prize Winning Standard Game. Game and Ornamental Bantams. Send for price list. Crested White Duck Eggs, \$2 setting. J. C. BLUNCK, Johnstown, N. Y. 12-8

Exhibition B. B. Red Games. Won 2 Firsts, 3 seconds at Cleveland. Choice cockerel for sale. Eggs, \$2. R. D. NICHOLS, Ravenna, Ohio. 12-8

Games, Cornish, Indians—Immense in Size, Shape, and colors. Prolific layers. Winners bred from winners; also B. B. Reds, exhibition type, high station, reaching close whip tails. Selling eggs from grand matings. Prices low. REEVES CONDON, Rexford Flats, N. Y. 12-8

Black-breasted Red Exhibition Games a Specialty. Standard shape and style. Birds and eggs to spare. Write, stating wants. E. R. SPAULDING, Japprey, N. H. 12-8

Black-breasted Red Games. "The King of Poultry," great layers. H. H. FLICK, Manchester, Md. 12-4

Thoroughbred B. B. Red Game Eggs—Highest quality, \$1.50 per 15; \$2.50 per 30. AARON G. MOYER, Maytown, Pa. 12-8

Williams' "Blue Ribbon" Cornish Indians. Standard-bred show birds my specialty. Write for circular. Eggs and stock. F. H. WILLIAMS, Lyndale Ave., So., Minneapolis, Minn. 12-9

Pit Games, Beautiful Games, Merritt Spangles and Irish Black Reds. Winners in pit and show. Bred right, that's all. MERRITT BROTHERS, Poplar Ridge, N. Y. 12-7

Black-breasted Red Games, Pit and Exhibition. Stock and eggs for sale. Eggs, \$2 per 13; \$3 per 26. L. G. THRALL, Poultney, Vt. 12-9

Money Back if Any White Indian Games Fail to please you. Large, hardy, all-purpose birds; 15 eggs, \$2. M. E. KENNEDY, Temple, Ga., Route 3. 12-12

Black, Red, Pit Games; True to Feather; Rich in color; extra fine station; no handsomer birds, or more desperate fighters in America. Cocks and stags for sale. Eggs \$2 for 15. GEO. V. FRYE, Lexington, Ohio. 12-7

Cornish Indians; Blood of Four First Prize Winning strains. Stock, eggs for sale. Eggs—\$2.50, \$3.50 per 15. Stamp for circular. G. R. WHITE, Eaton, Ohio. 12-9

## LANGSHANS

White Langshans—Won 1st Prize Langshan Pullet, Boston, 1907; won 1st Langshan eggs for best dozen; pure bred; best of winter layers; eggs, \$2 for 15. C. L. WEDEN, Pike, N. H. 12-8

Langshans, Jet Black From the World's Best; \$1.50 for 15; eggs in season. C. R. SMITH, Burnt Prairie, Ill. 12-8

Black Langshans, and White Rocks. Choice Eggs from rare stock, \$2 per setting, or setting of each for \$3. SUCCESS POULTRY YARDS, Box 64, Berryville, Va. 12-7

For Sale.—50 Fine Black Langshans; Winners at Hagerstown; old line bred strain. Prices if brought now. Orders booked for eggs now. NORMAN RICE, Hagerstown, Md. 12-7

Black and White Langshans. Eggs from Silver cup and other winners, \$2.50 per setting. FRANCISCUS & HOFFMAN, Route 4, Box 2, Carlisle, Pa. 12-7

Pure Black Langshans and Buff Orpingtons. Young stock, \$1 to \$3 each. Eggs, \$1.50 per 15. Enclose stamp for reply. J. E. ADAMS, Hutsonville, Ill. 12-7

Thoroughbred Croad Black Langshans. Young stock and eggs from Madison Square and Boston winners. Prices reasonable. W. B. FREEBURN, Sparkill, N. Y. 12-8

Try Our White and Black Langshans, Celebrated winners Pan-American, Hagerstown, Rutland, Syracuse, Cambridge, Poughkeepsie, Newark, Louisville, Dayton, Carlisle, Cincinnati, Lexington, Frankfurt, Springfield. Great winter layers. Birds to 96. Eggs, \$2 and \$3 per setting. Expressage prepaid. GEORGE BEALER, Nicholasville, Ky. 12-8

Gardner's Black Langshans. Exclusively Prize winners and heavy layers combined. Eggs for hatching, \$2 per 15. Homer Pigeons for sale. GEO. P. GARDNER, Guilford, Conn. 12-8

Black Langshan Breeding Stock, Farm Raised, 1st prizes at Boston and other shows. Brown eggs and superior quality of flesh. C. H. SCALES, Leominster, Mass. 12-8

Black Langshans. Thirty Prizes at Four Shows. Stock for sale. Eggs, \$3 for 13. Satisfaction guaranteed. WM. SNAITH & SON, 524 Reese St., Scranton, Pa. 12-9

A Few Very Choice Langshans and Buff Orpingtons. Eggs, 10 cents each. J. T. LITTLETON, Greensboro, Ala. 12-9

White Langshans; Prize Winners from First prize birds, Chicago and Hagerstown. Mammoth Pekin Ducks, Buff Cochins Bantams. Eggs and stock. JOS. B. PRESTON, Ripley, Ohio. 12-9

## LAKENVELDERS

Lakenvellers. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Souderton, Pa. 12-9

Lakenvellers, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. 12-11

Lakenvellers! Three Fine Cockerels for Sale. Cheap if taken soon. Eggs, \$5. Also long-tailed Japanese Phoenix Fowls in full plumage. Stamp for illustrated circular. S. G. EGGER, Lewisville, Ohio. 12-7

Lakenvellers, the Best Layers and the Most Beautiful fowl in the world; at the Madison Square Garden show, 1907, won first cock, first hen, first cockerel, first pullet, first pen; eggs for hatching, \$5 per 15. RALPH C. GREENE, Sayville, Long Island, N. Y. 12-8

Lakenvellers! Our Famous "Noxemall" Cock, winner of 7 firsts, including first prize Madison Square Garden, 1906. Eggs \$5 per setting. FORD BROS., Oak Hill, N. Y. 12-9

## POLISH

Breeder of All Kinds of Polish, Silver Spangled Hamburgs and Buff Cochins Bantams. Choice stock for sale. Eggs in season. ROBERT NEUGART, Sherbondy, Ohio. 12-8

For Sale.—White-crested Black Polish and White-faced Black Spanish. Eggs, \$1.50 per 15, or \$2 per 30. HENRY HUBER, Route 1, Tadmor, Ohio. 12-9

Smith's White-crested Black Polish Came to the front years ago, prize winners. Still stay winners. Stock for sale; eggs, \$2 for 15; \$3 for 30; for prize record write R. E. SMITH, Afton, N. Y. 12-10

White-crested Black Polish (Seely). A Limited number of eggs at \$3 per 13 straight. GEO. E. WINTERS, Westhampton Beach, N. Y. State vice-president American Polish Club. 12-7

White-crested Black Polish; Prize Winners at Chicago, Belvidere, and Blue Island. Eggs from prize winners, \$2.50; others \$1.50. F. J. LAPP, Evanston, Ill. 12-9

## SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

White Face Black Spanish a Specialty for 47 years. Circular and photos free. However, a stamp thankfully received. JOHN BENNETT, Snoman, Ripley Co., Ind. 12-8

## HOUDANS

Houdans! High-class Exhibition and Breeding stock. Eggs from birds scoring 95 and better bred from 281-egg-record hens, \$4 per 15. DR. G. W. TAYLOR, Orleans, Ind. 12-7

Have Been Breeding Houdans for 12 Years, and my birds are better than ever this year. If interested in this variety, you should get some of my birds. A few choice cockerels at \$3. Eggs \$2.50 per 15. Satisfaction guaranteed. LOUIS FALLER, Newton, Ill. 12-7

Houdans. Eggs, Carefully Packed, \$1.50 for 13; \$2.50 for 30. Our stock has won at New York, Springfield, Bristol. BRINKERHOFF, West Springfield, Mass. 12-8

Houdans, Pinckney Strain, Line Bred, Winning 1907 at Central New York Poultry Association, Utica, N. Y., 5 firsts, 4 seconds, 3 thirds, 3 fourths, 3 fifths. Special prize for best exhibit of French fowl, and 5 special prizes. Some good cockerels and pullets for sale. ISABELLE D. MILLER, Box 60, Sangerfield N. Y. 12-9

Arnold Houdans and Andalusians, Winners, Suffolk County, Mineola, N. Y., and Madison Square Garden 3 shows. Eggs now ready. CHAS. E. ARNOLD, Babylon, N. Y. 12-9

My Handsome Heavy Houdans Are Extra Fine birds. As heavy winter layers, they are without a peer. Eggs are \$5 for 3 sets, and they will not disappoint you. W. D. GAY, Essex, Iowa. 12-9

Houdan Eggs from Two Carefully Selected Pens of heavy-weight birds. Eggs from pen 1, \$2 per 15; from pen 2, \$1.50 per 15. FUHLMANN BROS., Cor. Roscoe and Fulliam Avenue, Muscatine, Iowa. 12-9

Houdan Eggs; from Fine Stock; A. E. Jones' 275-egg strain. \$2 for fifteen; \$3.50 for thirty. CLYDE CAMPBELL, Elkland, Pa. 12-11

Houdans; Bred from Highest Scoring, and Highest record laying stock in the world. From 265 to 251 eggs, hens, and winners at World's Fair, Chicago, Hagerstown, and New York. One of my exhibition matings consists of hens all scoring over 95 points, mated to cock that sired the first cockerel and first pullet at recent Madison Square Garden Show. Guaranteed eggs. A. E. JONES, Elkland, Pa. 12-9

## RED CAPS

Red Caps! Eggs from English Red Caps during season. First prize winners Johnstown and Gloversville shows. JESSE LANING, Johnstown, N. Y. 12-7

Red Cap and Houdan Eggs from Choice Stock that has won prizes wherever shown; \$1 per 13. Stock for sale. H. M. MERRIAM, Ashburnham, Mass. 12-9



## BUCKEYES

Want a Treat of Eggs and Meat? Try Little Buckeyes. \$3, \$5, and \$10 per setting of 13 eggs. Orders booked in rotation. LITTLE DOVER, Sabot, Va. 12-7

Prize Buckeyes, Scoring Over 90—Hardy, Excellent mated and layers. Settings, \$3; 2 for \$5; \$2, 3 for \$5. Stock reasonable. W. G. JUDSON, Meshoppen, Pa. 12-8

## DORKINGS

Silver Gray Dorkings. Eggs from Imported and prize winning stock for sale, \$2.50 for 15. A few birds for sale. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Dorkings—Silver Gray, White and Dark. After 36 years breeding, importing, selecting, have attained highest perfection of this famous breed. Prizes and cups from our principal shows. Few choice birds for sale. Eggs: \$3 one setting; two, \$5. Fine Gray Japanese-Bantams. No eggs for sale. HENRY HALE, Ridgewood, N. J. 12-7

Dorkings—White Silver Gray Colored Orpingtons, Black, Buff, White, Wyandottes, Games. Blue ribbon winners, New York, Boston, Chicago, Syracuse, Johnstown, Troy. Stock and eggs. RALPH CHANT, Johnstown, N. Y. 12-8

Silver Gray Dorkings Exclusively for 18 Years. The very best, as my records show. More first prizes won last ten years at New York, Boston, and Pan-American than all my competitors combined, a total of 41 against 33. Eggs from fine matings. \$2.50 13; \$4 26. WATSON WESTFALL, Sayre, Pa. 12-8

## HAMBURGS

Dopp's Silver Spangled Hamburgs Are Prize Winners; great layers; ideal shape; very beautiful. cocks and cockerels for sale. Eggs \$1 setting. HARRY H. DOPP, Box B, Dolgeville, N. Y. 12-7

S. S. Hamburgs and Silver Wyandottes as Good as they grow. Send for photo and price of wants. 15 eggs \$2.50. D. BENNETT, Galena, Ohio. 12-7

Black Hamburgs and Single-combed Rhode Island Reds. Hamburgs out of my pens won the blue at Hagerstown, Md., 1906. Eggs, \$1.50 per 15. Satisfaction guaranteed. H. E. LAPP, Allentown, Pa. 12-8

Silver Spangled Hamburgs. Choice Matings. Headed by sons of first New York cockerel; none better. Settings, \$2; 2, \$3.50 no stock. WILL CLARKE, Sullivan, Ohio. 12-8

Lohr's Golden Penciled Hamburgs Won the \$25 Silver Cup at the Ann Arbor Show in January, 1907, of 2,400 entries, on best pair in show. Score, 189 1-2. The largest show ever held in Michigan. Stock and Eggs in season. E. J. LOHR, Ann Arbor, Mich. 12-8

Silver-spangled Hamburgs. Winners of 1st and specials, New York, Crystal Palace. Settings—\$5, \$3. Stock always for sale. REV. W. TUNNICLIFFE, Elizaville, N. Y. 12-7

Silver-spangled Hamburgs; Show Birds and Ever-lasting layers. My matings are as handsome as any ever produced. GEO. V. FRYE, Lexington, Ohio. 12-7

## LITTLE CHICKS

Baby Chicks, Just Hatched, Shipped Any Distance. Barred Rocks, White Leghorns, \$15 per 100. Circular free. Also poultry supplies. CORNELL HATCHERY, Frenchtown, R. I. 12-7

Incubator Chicks. Eggs for Hatching from the Waterville strain of S. C. White Leghorns. Chicks safely shipped. Descriptive circular. B. H. SIMMONS, Sherburne, N. Y. 12-8

## TURKEYS

Bronze Turkeys; 48-lb. Tom, 22 to 28-lb. Hens; 12 firsts at New York in two years; breeders for sale. GEO. W. SALISBURY, Phelps, N. Y. 12-7

Anxious to Raise Turkeys? Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

Turkeys, Early May Hatch. Giant M. Bronze turkeys. Breeders wishing extra good birds from 48-lb. tom for fall shows write me at once. Enclose stamp. Toulouse Geese \$2 and \$3 apiece; toms, \$5; three hens, \$10. MRS. A. J. SINDLINGER, Route 3, Bronson, Mich. 12-7

"Goliath" Bronze Turkeys. Best Strain in Ohio. Breeder of long experience; can help you raise 95 per cent. of your hatch. Reasonable prices. Circular. MRS. R. E. FLOREA, Route 2, Wilmington, Ohio. 12-8

Jumbo Bronze Turkeys. Flock Headed by 48-pound Tom, scoring 97; hens as good; 10 eggs, \$2.50. C. R. SMITH, Burnt Prairie, Ill. 12-8

Golden Bronze Turkeys, from Winners at Indianapolis, Chicago, and Virginia State Fair. Eggs, \$4 per dozen. Mrs. S. F. BADGETT, Farmville, Va. 12-7

Bird's Giant Bronze Lead in the Hottest Competition at Madison Square Garden's greatest turkey show, January, 1907. Send stamp for mating list, giving winnings and describing our flocks for 1907. Headed by 30 to 36 pound cockerels and 36 to 50 pound cocks. Eggs \$1 each. Five large exhibition breeding toms yet for sale. BIRD BROS., Box G., Meyersdale, Pa. 12-7

Rock Holland Farm, Stone Ridge, N. Y. White Plymouth Rocks. Eggs \$1 per 15. White Holland turkeys; 30-lb. tom at head of flock. Eggs \$3.50 per 9. 12-9

## GUINEAS

White Guineas for Sale, \$2.50 per Pair, \$3.50 per trio. Eggs, \$1.25 for 15, in season. MRS. EDWARD BROOKMAN, Fort Plain, N. Y. 12-9

## DUCKS

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen; \$7.50 per 100. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Rouen Ducks. Birds of Fine Quality Bred from Imported stock for sale. Winners wherever shown. Eggs in season. BONNIEBROOK FARM, Stillwater, N. J. 12-7

Wild Mallard Ducks in Full Plumage, Only \$3 per pair; pure white Guinea fowls, only \$2.50 per pair. JOHN G. GERRISH, East Haven, Conn. 12-7

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Ducks! Rouens Are the Great Quality Table Duck and the fancier's delight. I breed no other kind of birds, and have been perfecting my Rouens for seven years. Send for circular with show record. Magnificent young show birds and eggs for sale. F. D. BAERMAN, Dunellen, N. J. 12-7

Pekin Duck Eggs from Ducks That Have Won first, second, and special prizes wherever shown; \$1 per setting. SOUTH SIDE POULTRY YARDS, Dover, N. J. 12-8

Mammoth Pekin Ducks—Eggs for Sale from choice birds. Write us your wants and rely on our hearty cooperation. JOYCE BROTHERS, Penfield, N. Y. 12-8

Duck Eggs, \$2 per 13. Rouen, Pekin, Cayuga, Indian Runner, Muscovy, Colored and White Geese eggs, 60 cents each. White China, Toulouse, Embden, African, Chicago, Minneapolis, and St. Louis winners. DAWSON BROS., Box F, Franksville, Wis. 12-8

For Sale—Beautiful Dark Green Muscovy Ducks. Apply BOX 47, Hinsdale, Ill. 12-8

Pekin Ducks—Winning Four Firsts at Chicago, 1906. Give me your egg order if you want to win the blue. JOHN BATCHELOR & SON, Thompson, Iowa. 12-8

Yoder's Indian Runner Ducks, Famous Egg Strain. 11 eggs \$1.25. Cash with order. 5c. stamp for catalogue. LEVI D. YODER, Box 47, Dublin, Pa. 12-8

Rouen Ducks—World's Best. Eggs, \$1.50 per 13; \$8 per 100. Circular free. Write. F. D. FOWLER, Carlisle, Ill. 12-9

12 Eggs, \$1, from Choice, High-scoring Indian Runner Ducks; as good as the best. ROYCE & PALMER, Nassau, N. Y. 12-8

Mammoth Pekin Ducks and Toulouse Geese, Winners at Madison Square Garden. Duck eggs, \$1.50 per setting; \$7 per 100. Geese eggs, 50c each. WEBSTER KUNEY, Seneca Falls, N. Y. 12-9

Nice, Large Pekin Ducks (Rankin Strain) Dusted W. Wyandottes, R. C. R. I. Reds. Eggs—\$1 per setting; \$5 per 100. Price list. EDW. O. GREGORY, Desk 3, R. F. D., Rockland, Me. 12-9

Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair \$4. DR. IRA C. TYNDALL, Whaleyville, Md. 13-6

## GEESSE

Toulouse Geese.—None Better. Eggs, \$2 per seven. Circular free. Write F. D. FOWLER, Carlisle, Ill. 12-8

## PHEASANTS

Pheasants, 30 Varieties, \$2 Up. Most Beautifully colored birds of this world. Easier raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock, Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4

Notice—I Will Save You Money on Pheasant Eggs and stock. Get my prices before you buy. Now hooking orders for eggs, 90 to 95 per cent. fertile. Stamp for complete price list. Ten cents for booklet, The Pheasant Industry and catalogue. THE OHIO PHEASANTRY, Box F, Columbiana, Ohio. 12-8

Oakwood Farm Pheasantry. I Will Have for sale about March 1, Silver, Golden, and English Ringneck Pheasants eggs from healthy, vigorous stock. Place your orders early. Also Buff Cochins Bantam Eggs from the best. B. F. SEXTON, Oakwood Farm Pheasantry, Babylon, Long Island, N. Y. 12-8

Pheasants: Amherst, Golden, Silver, Ringneck. Fancy poultry, pigeons, and ducks. Place your order early for eggs. Good birds on hand. Correspondence solicited. HILLSIDE PHEASANTRY, Reading, Pa. 12-7

Golden and Amherst Pheasants; Bred from Imported stock; large, healthy birds; easily raised. Our secret how with every sale. Satisfaction guaranteed. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-9

## ORNAMENTAL

Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotus, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercallies. Write for price list. WENZ & MACK-ENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Birmese Hen, Polish Lynx, Carriers, Dragons, Pouters, Pigmies, Fantails, Jacobins, Owls, Turbits, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-7

Fancy Pigeons.—White Homers a Specialty; also White Dragons. FRED HIBNER, 644 East Boundary Ave., York, Pa. 12-7

For Sale.—Pigeons of the Following Kinds: Jacobins, all colors; Black- and Blue-winged Turbits, Black, Dnn, and Blue Magpies; Blue and Silver English Owls; White, Blue, Silver, Black, and any other color African Owls; Show Homers; Working Homers, and Red and Yellow Swallows. These birds will be sold very reasonably, as I am getting too old to look after so many. J. M. SKILES, Pigeon Hill, E. O., Pittsburg, Pa. 12-7

German Pigeons.—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-13

White Fantails and Blue Fantails.—Have Some fine birds for sale, cheap. Write me, if you want a bargain. L. M. ALLEY, Box 5, Midway, Ala. 12-8

For Sale—Magpies. Pigeons in All Colors. Show birds from \$5 per pair and up. Good stock birds for \$3 per pair. WM. EHINGER, 1327 N. 4th St., Philadelphia, Pa. 12-12

For Sale.—White Pouter and White Fantail Pigeons; also Buff Plymouth Rock fowls and eggs. Good stock. Prices low. THEO. JOHNSON, Silver Creek, N. Y. 12-9

Why Pay \$1.50 Pair for Genuine Homers When I will guarantee first-class birds 75 cents pair? Also 20 pair Runts, Dragons, and half Runt. Send for sample pair. G. HOOD, Somerset, Mass. 12-9

I Want to Sell All My Parlor Tumblers, Including all my winners. \$3 pair for first-class performers; all colors. P. A. SCHEID, Lancaster, Pa. 12-9

Pigeons of Following Utility Stock—Runts, Maltese Hens, Dragons, Dutchess, and Homers. 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty Street, Camden, N. J. 12-9

Jacobin Pigeons; White, Black and Buff Colors. Breeders \$2.50 a pair. White and Buff Wyandottes. Eggs \$1 for 15. O. K. stock. GRAND VIEW POULTRY YARDS, Springvale, Pa. 12-7

## HOMING PIGEONS

High-class Homer Pigeons for Squab Raising, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

Are You Going to Raise Squabs? For Large guaranteed mated Homers to raise pinner, white squabs address E. M. POULSON, Box 55, Bedminster, N. J. 12-7

Bargains! High-class Mated Homers. Two Pens of 50 pairs each to close out immediately at a sacrifice; all colors; great squabblers. SQUAB FARM, Marietta, Pa. 12-7

Square Deal Homers Mated and Blended; Guaranteed the peer of any you can buy at \$2 the pair; our price \$1.25 for immediate delivery. Your money back if not satisfied. SQUARE DEAL LOFTS, Souderton, Pa. 12-7

Wanted.—Homer Pigeons of Good Breeding Age; any quantity; also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bourse Building, Philadelphia, Pa. 12-10

White Homers a Specialty. The Great Snow Flake strain are stay-whites, large mated breeders, too. GEO. W. STUMP, Springvale, Pa. 12-7

One Pen of Fine Large Homers for Sale; Must make room; will sell cheap by the pair or lot. C. W. CHESTON, Easton, Pa. 12-7

Homers for Squab Breeding; Mated Birds; Prolific breeders. Squab raising pays better than poultry. MISSOURI SQUAB CO., 3801 Shaw Avenue, St. Louis, Mo. 12-7

Homer Pigeons; Large Mated Pairs Guaranteed. Raise large squabs. Prices Right. H. B. GARVER, 53 E Water St., Middletown, Pa. 12-7

For Sale—50 Pairs Breeding Homers, at \$1.25 per pair; 5 pairs White Homers, \$2 per pair. F. R. SCHEFFEY, New Hanover, Pa. 12-8

We Are Raisers of Selected Homer Pigeons for squab breeding. Our birds have made us many satisfied customers, why don't you write us just what you want for stock and we will gladly quote prices, and if you send one dime with your letter we will forward our 16-page booklet on Squab Raising. Squabs from our breeders average 9 lbs. to the doz. Every pair mated. Every mating guaranteed. BAY STATE SQUAB CO., Dept. F, Wakefield, Mass. 12-7

Homing Pigeons in Fancy Colors and Jacobins for sale. Give us a trial. Satisfaction guaranteed. JOHN A. WITMER, Sunbury, Pa. 12-8

Homers—I Will Sell Fifty Pair of My Homers. They are straight, first-class homers. All are mated and good breeders. J. W. HOPSON, Bedford, Iowa. 12-8

For Sale—Mated White Homers, Bred from Carefully selected stock, best blood obtainable. They not only have beauty to commend them, but they are large, vigorous birds, rapid breeders, and good feeders, producing large, juicy, white meat squabs. Our specialty is furnishing foundation stock in large or small numbers to those who wish to start right in building up a loft of these useful and ornamental birds. Price from \$3 to \$4 per pair. Our birds are sold on a positive guarantee as being as represented. KANAWHA POULTRY AND PIGEON FARM, P. O. Box 167, Charleston, W. Va. 12-8

Squab Breeders. I Ship None but Mated Homers, branded; before buying call or write; the sure way the cheapest. MILTON O. JONES, Bergenfield, N. J. 12-8

A Bargain in Squab Breeders! 12 Pair of A-No. 1 Runt Homer crosses; guaranteed to be all mated birds. I paid \$4 per pair for the same. \$2.50 per pair takes the birds and 24 earthen nest pans. Must sell on account of sickness. JOHN A. NEULS, 520 Hickory St., Scranton, Pa. 12-9

For Sale.—60 Pair Guaranteed Mated Homing pigeons, ranging from 1½ to 4 years of age. Price 75 cents per pair. WM. HUNT, 328 Blatchley Ave., New Haven, Conn. 12-9

100 Selected Well-bred, Large Homers—in Reds, Yellows, and mixed colors—for sale. \$1.50 a pair. Also three varieties Hamburgs, and one R. I. Red cockerel, fine color, \$5. W. T. WILLIAMSON, Lancaster, N. Y. 12-7

For Sale.—I Will Close Out My Stock of Fine bred Homers. A good chance to secure fine birds. 500-mile birds, \$2.50 per pair; untrained birds, \$1.50 per pair. H. I. MARKS, Carlisle, Pa. 12-9

Square Deal Plymouth Rock Jumbo Squab Homers; guaranteed mated; the peer of any you can buy at \$2. My price \$1.50 the pair. Single-combed Buff Orpingtons. Eggs for sale, \$1.50 a setting. Edison strain prize winners. Also breeder of O. I. C. swine. FRANK J. DUTT, 1030 Huttie Ave., Bethlehem, Pa. 12-9

Homing Pigeons. Breeding Stock and Squabs for sale at all seasons of the year. Also Great Dane dogs for sale. Address C. B. KROGMANN, Jr., 2002 Fourth Street N. E., Washington, D. C. 12-9

## PIGEONS

Wanted—5,000 Old Common Pigeons. Pay 30c. pair. Highest prices paid for Homers, Guinea Fowls and live rabbits. "N." GILBERT, 1128 Palmer St., Philadelphia, Pa. 12-8

## EGGS

Eggs! Eggs! From Pure Bred Barred Plymouth Rocks, Buff Wyandottes, and Mammoth Bronze Turkeys. All eggs sold are guaranteed to be strictly fresh. Special price on 100-egg orders. A few choice Barred Plymouth Rock cockerels (E. B. Thompson Strain) for sale. ALTA VISTA POULTRY FARM, Mrs. R. B. Fray, Propr., Advance Mills, Va. 12-7

The Louise Poultry Yards. Eggs for Spring Setting for sale. Rhode Island Reds, 15 eggs, \$1; Buff Orpington, 15 eggs, \$1; Lace Wyandottes, 15 eggs, \$1; White Wyandottes, 15 eggs, \$1; Black Minorca, 15 eggs, \$1; Brown Leghorn, 15 eggs, \$1; Game, fine stock, 15 eggs, \$2.50. All true bred stock. G. H. JOHNSON, Propr., Louisa, Va. 12-7

Toulouse and Embden Geese Eggs, 50c Apiece. Brown and White China Eggs, 35c apiece. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

Pekin and Rouen Duck Eggs, \$1.25 per Setting, or \$7 per 100. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

Eggs of Buff, White, and Partridge Cochins Light and Dark Brahmas, and Black Langshans, \$2 per setting. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

Eggs of Brown, Buff, Black, and White Leghorns, Black Spanish, Black Minorcas, Silver Penciled, and White Wyandottes, \$1.50 per setting. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8



Eggs from Thoroughbred Barred Plymouth Rocks, \$1 for 15; 30 for \$1.50. Orders promptly attended to. Satisfaction guaranteed. T. E. SHOUGH, Box 24, Rushville, Ohio. 12-8

Eggs, White and Silver Wyandottes. I Took two firsts, second, and special on Silvers at Washington Show; \$1.50 per 15. H. A. BACON, Branchville, Md. 12-8

Eggs for Sale: Single-combed Brown Leghorns; White Plymouth Rocks. Bred nine years for egg production; \$1 per setting; selected. THOMAS JACKSON, Bedford, Ind. 12-8

Eggs, \$1 per 15, from White Minorcas, White Wyandottes, Rose and Single-combed, White Leghorns, White, and Buff Rocks. WOODLAND POULTRY YARDS, Elizabethtown, Pa. 12-8

If Your Egg Production is Not Satisfactory, Try White Minorcas, White Rocks, and Pekin Ducks. Eggs from fancy or utility, \$1.50 and \$2.50. M. L. ARMSTRONG & CO., Smethport, Pa. 12-8

Eggs for Hatching from Heavy Laying Single-combed White Leghorns and White Wyandottes. Also Buff Pekin Bantams and White Guineas. Four pair Pea Fowls for sale. THE IDEAL EGG FARM, Waterport, Orleans Co., New York. 13-5

I Will Sell You 20 Eggs for \$1; 50 \$2; 100 \$3.50; from selected Single-combed Brown Leghorns. Bright strain. JESSE FORNEY, Birds Run, Ohio. 12-8

Special! Eggs from Standard Bred S. C. Brown Leghorns. R. C. Rhode Island Reds, \$2 per 15; \$7 per 100. LARSON & CARLSON, Sandwich, Ill. 12-8

Eggs from R. C. Buff and Brown Leghorns, Buff Plymouth Rocks. Buff and Silver-laced Wyandottes, \$1 setting. C. H. WILCOX, Worcester, N. Y. 12-8

Eggs—Great Combination—Rose-combed, Black and White Minorcas, Blue Andalusians, Rose-combed Brown, Single-combed White Leghorns. Eggs, \$1.25; Rose-combed Black Minorcas, Cockerels, \$1. WEAVER'S EGG FARM, Liverpool, Pa. 12-8

Eggs for Hatching. Rose-combed Black Minorcas; always lay but never set; if you want eggs keep this strain; \$2.50 for 13. Address MISS BERTHA E. LEWIS, Volantown, Conn. 13-5

Eggs—Pure Bred Barred Rocks, Rhode Island Reds. Buff Orpingtons, \$2 per 15; few choice cockerels for sale cheap; write me. FRANK FORBES, New Hagerstown, Ohio. 12-8

Eggs from Two Grand Pens, White Wyandottes; large, blocky, standard weight birds; \$1.50 per 15. F. N. DAVIS, Chili Station, N. Y. 12-8

Eggs from Chicago Winners! Crawford's Rose-combed Brown Leghorns won 1st cock, 4th pullet, 5th hen at Chicago this year. Eggs—best pens \$3 for 15; \$5 per hundred. JAS. CRAWFORD, Cameron Mills, N. Y. 12-9

S. C. W. Leghorns. Eggs for Hatching, from choicest matings, \$2 per setting of 15, or three settings for \$5. Eggs from best utility pens, \$1 per setting straight. We can please you. ORCHARD GROVE POULTRY PLANT, Cohocton, N. Y. 12-9

R. C. Brown Leghorn Eggs for Hatching That will produce beautiful birds and good layers. Stock prize winners wherever shown. Eggs—\$1 per 15; \$4 per 100. Order now. I. C. HAWKINS, Bullville, N. Y. 12-9

Stop! Surplus Eggs, One Exhibition Pen Barred Rocks—Lefel strain—and S. C. White Leghorn—Young strain—\$2 per 13. A. S. LEHMAN, Manheim, Pa. 12-9

Maple Lawn Farm—Eggs for Sale from White Wyandottes; pure white; good layers, \$1 per 15. MRS. MARTIN HITE, Morganfield, Ky., R. R. No. 5. 12-9

Eggs—\$1.50 per 15; \$2.50 per 30. White Wyandottes, Dunston strain, and S. C. White Leghorns, Rice strain. Birds are all choice and great layers. Try a setting of my eggs. H. A. GLAZIER, Owlshead, N. Y. 12-9

Eggs! Eggs for Hatching. Mains' Anconas are great winter layers and fine show birds. Write your wants to FRANK W. MAINS, Morris Plains, N. J. 12-9

Eggs \$2 Per Setting—Express Paid—from Our high-scoring S. C. Buff and S. C. White Leghorns, White P. Rocks, Buff Wyandottes, Golden Sebright Bantams. 50 cockerels, \$1, \$1.50 and \$2 each. Satisfaction guaranteed. NORTH SIDE POULTRY YARDS, Route 1, Box 37, Conotton, Ohio. 12-9

Eggs \$1 to \$1.50 per 15 from Thoroughbred Brahmas, Rocks, 5 varieties Wyandottes, Reds, Orpingtons, Minorcas, Leghorns, Hamburgs and Columbian Wyandottes. 15 varieties. Catalogue free. J. B. GROSS, Coopersburg, Pa. 12-9

Eggs! Mammoth Bronze Turkey Eggs, Yearling tom heading pen, scores 96½ in show room. Pullets score 96½ to 97½; weight, 20 to 22 lbs; all have snow-white edging on plumage. Eggs 50 cents each or \$5 per doz. Also have high scoring B. P. Rocks and S. C. Br. Leghorns. Eggs—\$1.50 per 15; \$2.50 per 30. Address MRS. ALICE CURNUTT, Mont Serrat, Mo. 12-9

Eggs for Hatching from Our Superior Strain of White Plymouth Rocks. Large, vigorous birds of pronounced whiteness and unexcelled egg production. No better eggs procurable at any price. \$1 per 15; \$5 per 100; \$40 per 1,000. MAPLE LANE POULTRY FARM, Edgerton, Ohio. 12-9

Eggs for Hatching—From Ringlet Strain Barred Rocks, Columbian Wyandottes, Rhode Island Reds, White Leghorns. Satisfaction guaranteed. Correspondence solicited. W. J. ENGLISH, Chenango Forks, N. Y. 12-9

Eggs. From Pure Bred Light Brahmas, White Langshans, Rose-combed Rhode Island Reds, Toulouse Geese. Eggs guaranteed strictly fresh. Results pleasing. SOUTH VIEW POULTRY FARM, Andubon, Iowa, Route 6, Box 29. 12-9

East View Poultry Farm. Barred Plymouth Rock eggs for hatching from yarded stock, \$1.50 per 15. From free range, \$1 per 15; \$5 per 100. White Holland Turkey eggs, \$2.25 per 9. FRED J. HOELSCHER, Berger, Mo. 12-9

Pure B. P. Rock Eggs for Hatching, 75 Cents for 13; \$4 for 100. MRS. J. THOMPSON, Kennett Square, No. 231, Pa. 12-9

Andalusians, Red Caps, Red Games and S. C. Buff Leghorns, and Brown Leghorns. Eggs \$1 and \$1.25 per setting. L. H. McCONNELL, Arnot, Pa. 12-9

White Rock and S. C. B. Leghorn Eggs at \$1.25 and 1.50 per setting of 15 eggs. CHAS. G. JACOBUS, New Kensington, Pa. 12-7

S. C. Brown Leghorn Eggs, from Exhibition yards—\$3, 15; \$5, 30. From yards containing large, high scoring, heavy laying strain—\$2, 15; \$3, 30; \$4, 50; \$6, 100. Fertility guaranteed. Quality considered, these prices are very low. THE UPLAND POULTRY YARDS, Decatur, Ill. 12-7

White Cochins Eggs for Sale, \$1.50 per setting. MARTHA RHODE, Pine Village, Ind. 12-9

Eggs—White Wyandotte, Barred Rock, Light Brahma, \$1 per 15. MRS. A. A. PARKER, Route No. 1, Bound Brook, N. J. 12-9

You Don't Need to Look Further; Here is the place to get your Barred Rock eggs. Write your wants to W. W. KAUFMAN, Reedsburg, Ohio. 12-9

## FERRETS

Send 10c for Catalogue and the Greatest Book published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

Ferrets, Beagles, Fancy Rabbits, Barred Plymouth Rocks (from Gardiner), Toulouse Geese and Indian Runner Ducks. Indian Runner Duck eggs from first-class stock, \$1 for 11. J. M. MARTIN, Delansout, N. Y. 12-10

## BELGIAN HARES

For Sale.—Fancy Belgian Hares; Won Ten Firsts and seven second premiums, West Virginia State Fair, 1906. JOS. R. COUNIHAN, Grandview St., Wheeling, W. Va. 12-8

## DOGS

At Stud; Best Son of Famous Collie, Wellsbourne-Hope; winner of 100 1sts and specials. Fee \$8. Stock for sale. Catalogue free. MONACA KENNELS, Monaca, Pa. 12-11

Collie Puppies.—A Few Very Fine Females Fully pedigreed for sale. We also have at stud, a very fine three-year-old dog, with an excellent pedigree. Fee \$5. CRYSTAL POULTRY FARM, Washington, N. J. 12-9

Fine Black and Tan Marked Female Collie Pup, from high-bred and trained stock; used to chicks. Price \$5. MARYLAND POULTRY FARM, Lanrel, Md. 12-7

## PET STOCK

For Sale—Cavies, Rabbits, Bantams, Pigeons, dogs, cats, etc., canaries, parrots, fish and supplies. Homers, 60 cents to 75 cents pair. Everything in pet stock. SOMERSET PET STOCK CO., Fall River, Mass. 12-8

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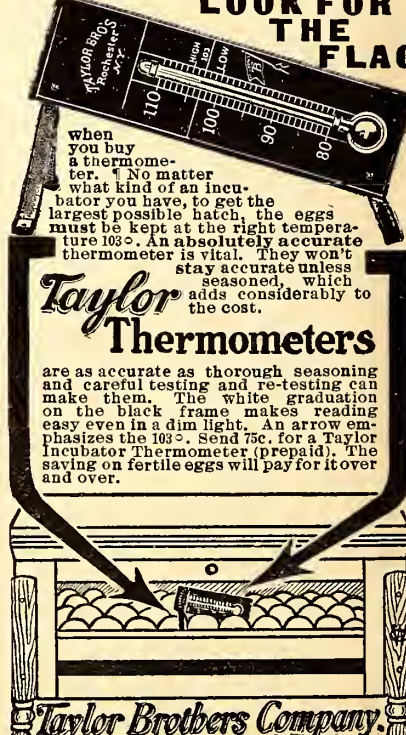
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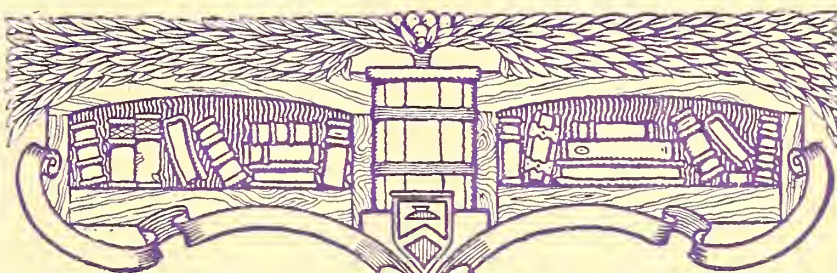
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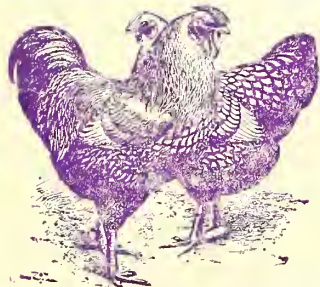
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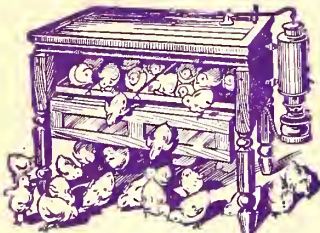


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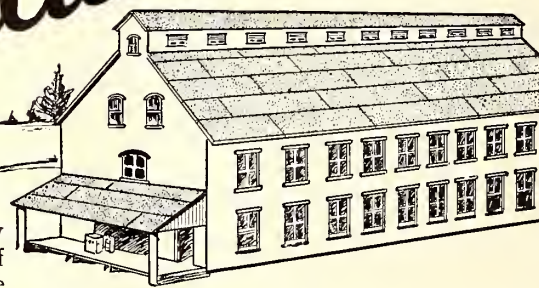
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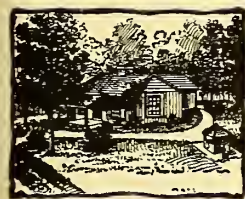
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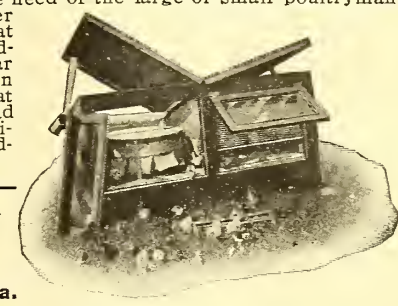


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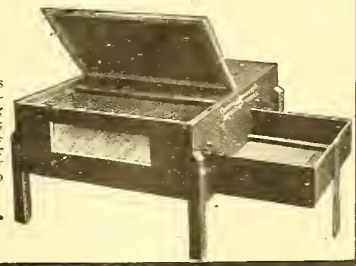
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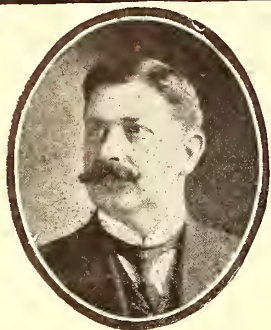
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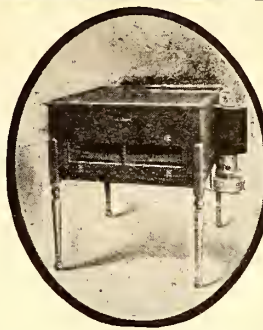
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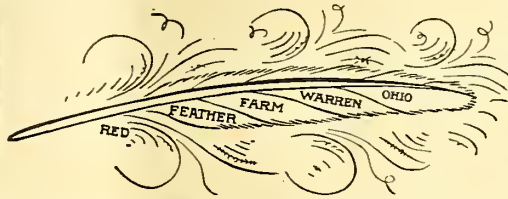
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## "Natural and Artificial Duck Culture"

By James Rankin, South Easton, Mass.

Fifth edition of our book, "Natural and Artificial Duck Culture," enlarged, revised and illustrated, describing the growth and management of the little birds, from the time they leave the incubator until they reach the market. It includes food formulas to meet the different stages of growth, also the construction of buildings and management and care of incubators during the process of incubation, as well as our experience for the past thirty years in the business. Mailed to any address, on receipt of 50 cents.

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When you have something that somebody else wants and is able and willing to pay well for you naturally make a big profit. This is just the condition of the mushroom trade to-day. The regular demand for fresh mushrooms is far in excess of the supply, and this demand comes from hotels, restaurants, clubs, high-class fruit stores, etc., who can afford to pay fancy prices. To the farmer who has a vacant shed or cellar and desires to add a big, fat increase to his present income without interfering with any other work, mushroom growing offers exceptional opportunities, the capital and time required being so limited and the profits so large.

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and the grand work we are doing in the interest of Poultry and Pigeons, and our aim will be to even exceed our past efforts during the coming year. The other paper,



is one of the oldest and greatest of all farm papers. This goes without saying and no further argument is necessary. This is a winning pair and no family should be without them. For a limited time only we are offering

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of the nests in two days. Many will be laying again the second day. Fifty cents buys directions to make roosts that will have no lice thereupon to annoy the hens. One Dollar buys directions to make brooders that will raise all the chicks without any expense to heat or build.

Box 35, R. D. No. 1 SEATON CO. BUTLER, PA. 13-2

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are winners always and thoroughly practical birds as well. He has bred them for thirteen years and they are better this year than ever. His latest winnings are 1st, 3d, 4th cock, 2d, 5th ckl., 2d pullets, 4th hen, 1st, 2d pen, Washington, D. C., January, 1907. 1st ckl., 1st pullets, 2d cock, 4th hen from four entries, Pittsburg, Pa. First ckl. Cincinnati 1906 in a class of 37, and First Pen Cock in Washington, 1907. Exhibition and Breeding Birds at reasonable prices.  
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Stock and eggs for sale. (Circular.)

A. P. GROVES, Chestnut Hill, PHILADELPHIA, PA. 12-8

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**WE WISH TO IMPRESS ON THE READER'S MIND** that no matter where you are located, if thousands of miles divide us, you can not afford to undertake the raising of little chicks without feeding from the very start Eaton's Life Saver Chick Food. If your dealer can not furnish, write for sample. Eaton Grain & Feed Co., Norwloh, N. Y. Mention this paper. 12-9

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Pure S. C. White Leghorn.....\$5.00 per 100  
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## Rose and Single Comb R. I. Reds

Fifteen Fine Pens from which I will  
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Satisfactory hatch guaranteed.

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## S. C. BLACK MINORCAS

My breeding pens for 1907 will contain winners at World's Fair, Boston, Madison Square Garden, Hagerstown, Md., and Cincinnati, Ohio shows. Eggs, \$4 per setting; 2 settings for \$7; 3 settings for \$10. The run of the pens, \$3 per setting; 2 settings for \$5. Address,

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CHESTER AVE., ALLEGHENY, PA.

Winner at New York and Boston, 1907. 12-8

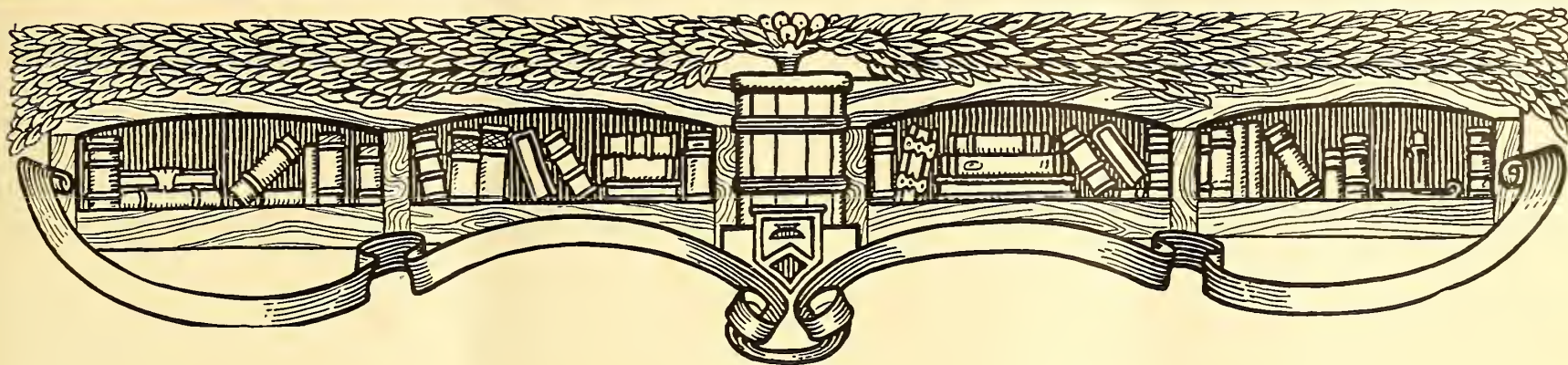
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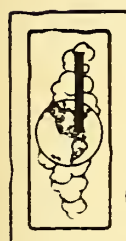
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## Our Illustrations



IN APRIL we told of where poultry and water-fowl are grown. In addition to this we gave information about rearing pheasants and the care of chicks by the mother hen, all of which were beautifully illustrated from original photographs that came to us from England, from Mr. Miller Purvis, and from those made by our own camera. In the March issue of THE FEATHER at the head of an article on the care of young chicks, we used as a heading a half-tone made from a photograph sent us by Mr. Chas. A. Cyphers. This illustration was taken of his Model Poultry Farm. Every one should send to Buffalo and ask Mr. Cyphers for his new book, telling of this farm.

## Our Summer Issues

As stated in April, also in this issue under Points of Interest, we are quite anxious to engage our readers in a literary contest, one with another. Read the Points of Interest. Join with us to make the next few issues of THE FEATHER of more than ordinary interest. Try and exchange with others points of interest that will be attractive to all. Join with us and help us to benefit yourself and your friends. You may win a prize by doing so.

## Our Agents

Within the past few months we have added to our list a number of successful agencies. The increased sales on the news-stands, the increased number of subscriptions we have received by mail, and through our several agents, prompt us to again urge upon our readers the double interest gained through working for subscribers to our paper, and for the sale of our books. We have just received from one of the largest stock food companies of the country a letter from which we quote as follows:

"We wish to compliment you on the improved condition of your valuable paper. It is certainly one of the best poultry journals published in the United States. We are selling a number of your books. Best wishes for your success."

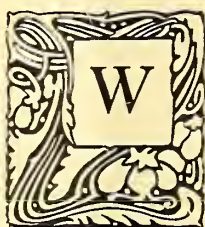
This is a sample of what comes to us from every section. Join with us and become an agent for handling our publications.

## Photographic Contest

We want you to send us some beautiful photos during the coming season. We shall offer cash prizes for same. None of the photos to be less than two by three inches, and preferably on solio

# SHOP TALK

## POINTS OF INTEREST



WHEN the warmer days come and summer heat is a factor which receives much consideration, interest in poultry literature seems to fail. We imagine that to a certain degree this may be the fault of the publisher. In an attempt to overcome this listlessness, we have planned a series of articles to be published during June, July and August, which we hope will prove so attractive as to arouse genuine enthusiasm during these months. Lend us your aid in carrying this out, and send us information and photographs that will present features that you yourselves would like to consider during this period. We are anxious to give our readers the particular information they desire. What some know may not be equally well understood by the balance of our readers. For this reason, such features, attractively presented, often create an interest that increases the general distribution of stock during the early fall months. We are anxious to gain an increased subscription list throughout the entire summer. We want to hold the close attention and active interest of all our readers, for we realize that by so doing we will increase the general interest and profit of all who make a business of providing good poultry for others. Among the articles of interest to appear during these months will be an illustrated article on Swan Culture. This will tell of an industry that can be made ornamental, pleasing, and profitable wherever there is a small lake on the property of any one who admires beautiful water-fowl. We hope to have an equally pleasing article dealing with the cultivation of pheasants. These two articles alone will be well worth more than two years' subscription to THE FEATHER. Each issue during these months will contain an article on the Science of Breeding that will assist in the production of better specimens for the fall and winter shows. Join with us in this effort to assist you. Call the attention of all who may be interested in these features to our summer numbers, and assist us in gaining more readers for THE FEATHER. In this way you will help to advance the quality, increase the quantity, and thus gain greater profit.

We will pay five dollars to the person who sends us the best suggestion for an illustrated article to be used in future issues of THE FEATHER. Suggest the title for the article and outline your idea for same. We will write the article and furnish the illustrations. Our selection of the winner is to be final.

paper. If printed on other kind of paper, prefer it to have a smooth enamel finish. All photos submitted are to become our property. This contest to extend from May 1 to October 30, 1907. Each lot of photos submitted must be placed in an envelope marked plainly on the outside "For THE FEATHER'S Photographic Contest," and have the name and address of the sender thereon. We reserve the right to reject undesirable photos and to select the winners. The prizes to be offered are as follows:

Three dollars for the best photo of hen with chicks.

Three dollars for the best photo of group of half-grown chicks.

Three dollars for the best photo of group of old fowls.

Three dollars for the best photo of pair of old fowls.

Three dollars for the best photo of single bird.

Two dollars for second best photo in each of these.

One dollar for third best photo in each of these.

Poultry, turkeys, ducks, geese, and bantams all to compete.

No photos received will be considered in competition unless they are enclosed in an envelope and marked as above described, nor will any be considered in competition that have been published in any paper, book, or magazine. All photos to become our property and for exclusive use in our publications.

## Our New Book

Our new book soon to be published, "The Perfected Poultry of America," will tell of and illustrate every known breed and variety of fowls perfected in the United States. Our agents have already taken a number of orders for this book. As stated before, we are anxious to have as many responsible agents for this as can be accommodated through the territory, allotting a portion to each. Watch the columns of THE FEATHER for advertisements of this book. As soon as we know the exact date of issue we will make same known.

## What Others Have to Say

"The January number of The Feather received and it is a 'dandy.'"—W. T. Emonds.

"I read a good many poultry journals, but I think The Feather one of the best. Wishing you success."—Ed Cadman.

"I am well pleased with The Feather. It is gotten up different from all the rest, and is a good, clean-looking paper."—Jas. S. Wason.

"Please mark up my subscription to The Feather, and mail me a copy of the Standard. The Feather is getting better and more beautiful right along."—J. F. Fetter.

"I am glad to see The Feather has improved so much. Find inclosed my subscription and three months' ad."—Edwin M. Wilson.

"Inclosed, please find money order for a renewal to The Feather. It is a splendid paper and many of my plans have proven successful owing to the valuable information I have read from its pages."—Mrs. M. Gerald.

"I inclose fifty cents. Please send me The Feather for one year. I have read The Feather for the last year and find it a very valuable paper for any one who raises poultry, whether for pleasure or profit. I hope that I will not be too late to receive the January number, as I should not want to miss one."—H. F. Baldwin.

"Having seen a very handy book that one of my friends had I write to find out if I can not procure one also, that is, The Homing Pigeon, treating of breeding, training, and condition of racers. I think it is the finest book of the kind and is indispensable. Will try and get you subscriptions to The Feather, as I think it would be a most useful article to any one interested in poultry."—O. Hubert.



Just as we were going to press with our April issue we received a communication that conveyed to us the sad news of the untimely death of Mr. Thomas E. Orr, secretary-treasurer of the American Poultry Association. The unlooked for often comes as a sad reminder to us all that life is uncertain. Too much regret could not be expressed in connection with this sad event. We have known Mr. Orr for over thirty years. We have been as closely connected with him as any other poultryman of the country. We knew him and fully recognized his ability. When at Auburn we talked over the past. We urged that he return home and care for his health so that he might recover, not knowing then that it was his heart that was affected. We join hands with the poultrymen of the entire world in expressions of regret at his early demise, and extend to his family and friends our heartfelt sympathy.

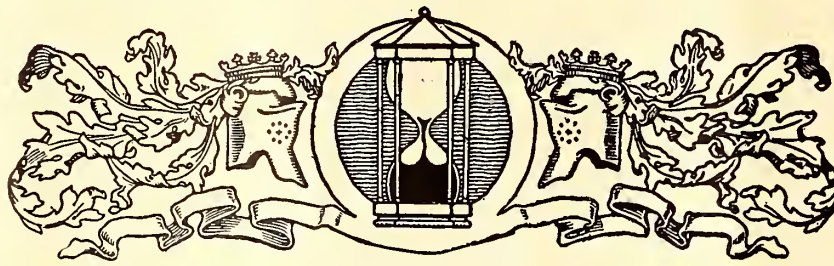
Having recorded in our April issue the vote of the American Poultry Association for its official organization, we now congratulate the association on its fortunate selection by nomination of twelve competent poultrymen who can be entrusted with the business affairs of the association. Perhaps the ballot for election will have been cast before this paper goes to press, so we only have to say that we hope the results will prove to be of the greatest advantage to the future of the association.

In handling incubators and brooders the first principle involved is to have them ready in advance for the duties they are to perform. Do not neglect the preparations necessary for the success with these. Make all preparations in advance, then no disappointments will come.

We read recently in a most portentous appearing magazine the following statement: "During incubation the eggs are constantly throwing off carbonic acid gas, and unless this be carried away and fresh air supplied, the germs in the eggs will be very much weakened or killed. The necessity for sufficient ventilation is therefore apparent." Statements of this character scarcely accord with the experiments recently being made by the scientific people of the country. Many changes have come over those best informed along these lines. Many startling statements as to artificial incubation may be made in the near future.

If you ask the experimenter of the present day as to  $C O_2$  he looks wise and shakes his head. The experiments being made to determine the creation, the existence of and the use of carbon dioxide gas beneath the hen are many and numerous. Some of the most learned experimenters are studying this, having in view establishing the necessity of this in the incubator. Former efforts, as we understand it, have been to remove it entirely from the machines. If nature creates it through the hen, shall it, or shall it not exist for best results within the incubator?

Turning the eggs during the term of artificial incubation is another question worthy of consideration. If the tray is turned entirely over, and every egg placed upside down from its former position each day, what influence does this have



## THE FEATHER

Volume XII

MAY, 1907

Number 8

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

Single Copies, 5 cents.  
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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

over the yolk, which must change its position and travel clear back to its former position in the egg? For instance, in the early stages of incubation the germ cell, which has floated to the surface of the albuminous portion of the egg by the yolk, needs that position and must seek it every time the egg is turned. If this is true, and continues to be true throughout the entire twenty-one days, how can it be possible for this to occur if the egg is turned upside down every day? What will be the result after the chick has been fairly well formed and holds a position not easy to be changed within the egg? In other words, are we, or are we not making a mistake in the turning of the eggs entirely over every day? Would not the gentle changing of position in the trays with the hands once or twice a day be better? Would not such a change conform more closely to the methods of the hen as she moves them about in the nest?

Brooder chicks must be taught to travel frequently to and from the heated hover for exercise, for food and for fresh water, and for the best interest of the growing chick. Exercise, fresh water, and moving about from place to place is an absolute necessity with the young chick. Where they are too hot within the brooder, they become lazy and indolent. When chilled without, they fail to exercise and eat sufficient food for the best results. They must be kept just right and in the best working order and condition for success.

Editor Schureman, of Commercial Poultry, compliments his publication in the March issue under the title of "A Little 'Blow.'" Ever since its conception Commercial Poultry has termed itself a journal that is different. We are pleased to notice that there is another poultry paper claiming to be in a class by itself. We have come to the full realization that THE FEATHER is absolutely in a class to itself. Like the claim of Commercial Poultry we are being flooded with com-

SUBSCRIBERS. When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

ADVERTISERS must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

pliments and requests that we keep up the good work commenced in THE FEATHER over a year ago. Being of an entirely different kind of "different" we can join hands and congratulate Mr. Schureman without having the least fear that he will contend with us for our position, as we are so widely apart in the paths we follow that each could readily lend assistance to the other. Commercial Poultry is a credit to Editor Schureman. Excuse us if we claim the same for ourselves.

Nothing can be more valuable to any vender of wares than beautiful printed matter. Among the hundreds of circulars and catalogues that come to our desk there is occasionally one that stands out so prominently as to gain the consideration of all who see it. Among these of recent issue is the beautiful catalogue issued from this office for Mr. E. B. Thompson, of "Ringlet" fame, Amenia, N. Y. Every one interested in having a nice catalogue should send for one of these. Following this is the beautiful publication of Mr. U. R. Fishel, Hope, Ind., telling of his White Plymouth Rocks. This catalogue should be in the hands of every one interested in this variety. It is our purpose to strive for an increased amount of catalogue work of the highest character. We are in position to do the very best work possible, but this class of work can not be cheaply done. If any of our readers are anxious to have the most beautiful catalogue in the world, and are willing to pay the cost of it, we are in position to more than satisfy their most exacting desire.

In our issue of March we asked for Black Frizzles. One of our customers is anxious to have a breeding pen of true Black Frizzles. If any of our readers can furnish them we shall be glad to hear from them.

We call attention of our readers to the photographic contest mentioned in Shop Talk. We trust that all our readers and their friends will enter into this competi-

tion. We wish to be in possession of photographs representing a principle of poultry growing, not exclusively the individual specimen, but groups of fowls, the use of which will prove to be instructive and influential to those embarking in the poultry business. The general business of every poultryman through the country can be increased by the use of such illustrations.

In a communication just received from Secretary Crawford, of the New York Show, he states that the next show dates of the Madison Square Garden Show will be December 17 to 21, 1907. Mr. B. A. Betts informs us that the Great Hagerstown Fair will open the 15th of October. While this is the same week claimed for the Jamestown Exposition Show, it can not be helped, because Hagerstown is in a circuit, and these are the days allotted to them.

Sixty exhibitors at the leading poultry shows in the United States have been favored by winning from the Proctor & Gamble Co., of Cincinnati, one of their beautiful silver cups offered for the whitest prize-winning fowl that had been washed with Ivory soap. These specials have been awarded as follows: To White Wyandottes, twenty-four; White Plymouth Rocks, twenty-three; S. C. White Leghorns, nine; R. C. White Leghorns, two; Cochins Bantams, one; Orpingtons, one. Mr. A. L. Sparks, the White Wyandotte specialist of Swanton, N. J., originated the plan of presenting these cups. In honoring the donors we should not overlook the fact that Mr. Sparks has had his part in gaining this recognition by his employers.

It was our pleasure a short time ago to visit a duck farm where the Cyphers incubator is largely used. We were present just as the hatch came off, and were more than gratified, as were the managers of the farm, with the successful results. This prompted us to place in our columns an account of the hatching of duck eggs, which will be found elsewhere in this paper. If you have not already received one of the new 1907 catalogues from the Cyphers Company, you should send for one at once.

An acquaintance of THE FEATHER would like to have a partner in the poultry business who has means sufficient to carry on same. The poultryman desiring a partner is well located near Washington, and has great ability along these lines. Please address this office.

One of the most beautiful catalogues that we have seen in years has just been issued by the Rock Hill Poultry Farm, of Ossining, N. Y. This is a beautifully illustrated book that tells of the blue ribbon poultry bred at that farm. Every one should have one of these beautiful catalogues, the possession of which we are quite certain will lead to a desire to possess some of their beautiful fowls. This catalogue includes poultry of all kinds bred at the farm, also White Muscovy ducks.

"I am a constant reader of your paper and enjoy it very much. Don't care to be without it, although as an editor I get a great deal to read. You know how that is. Please insert the enclosed notice three times."—S. F. Parrott, Cherokee Pub. Co.



## Science of Breeding

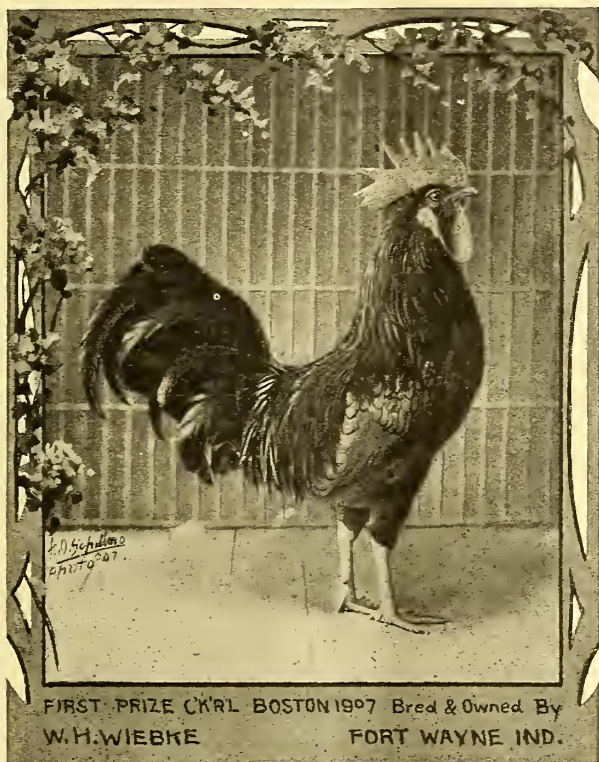
By T. F. McGREW

### Head Points



IN REPLY to an urgent request that we include head points, eyes, weight and color of shanks in an article in this series, we take up these points, and shall include all sections of the head in one description. The most attractive portion of any fowl as you study them in the exhibition pen are what are known as head points. In presenting these in the glossary of the Standard, the publishers have selected a Leghorn male for illustrating the proper type of a single and a rose-combed fowl; the Brahma to

sider a comb other than this as proper for the Plymouth Rock? More than this, the Standard makers tell us in the description of the comb of the Plymouth Rock that it must be of medium size, proportional to the specimen. When they describe the comb of the Leghorn, they say of medium size, straight and upright, with no tendency to follow the shape of the neck. If the Plymouth Rock is to have a medium-sized comb in proportion to the specimen, how are we to grade the size of the single comb upon the Leghorn when it must be of medium size, although the Leghorn is scarcely half as large as is the Plymouth Rock. Yet, in the



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illustrate the pea-comb; the Sultan for the V-shaped comb, and the Malay for what is known as the strawberry comb.

The single-comb is the kind belonging to the Plymouth Rock, Leghorn, Minorca, and other breeds and varieties possessing the single comb. There does not seem to be the same difficulty in getting a general opinion as to what a rose-comb should be as there is in settling the fact as to what shall be accepted as the true formation for a single-comb.

In the Plymouth Rocks we often find combs that scarcely exceed a half or three-quarters of an inch above the head, while on others of the same variety are combs almost as large as the proper size for the Leghorn. When the Standard describes, as it does, a single comb of medium size, set firmly on the head straight and upright, evenly serrated, and having five well-defined points, how can it be possible for any one to stop to con-

Standard description and in the illustrations, it will be readily seen that from the top of the head to the point of the center of the Plymouth Rock comb that it does not exceed more than two-thirds the size of the Leghorn comb. What must be the deductions of the judge who studies the Standard and accepts literally the description of medium in size in proportion to the bird? What would be the cut for defective comb on a Plymouth Rock that carried a comb equal in size to the desirable comb of the Leghorn, if they were compared as medium in size?

This description, or rather consideration, of the comb question might be carried throughout the entire list of varieties wearing the single comb.

Following the comb, we find the wattle and ear lobe of equally pleasing appearance. If these are delicately formed and properly attached to the head and face, they add much to the attractiveness

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of the head. If, however, they are of rough texture, unevenly attached, they ruin the chances of success in the show room, if they are passed upon by an expert having a quick eye and a keen discernment for beauty.

In the Leghorn family, in fact, in all breeds that possess the white ear lobe, head points are considered more highly than the same section in other fowls; as, for instance, the head, comb, wattles, and ear lobes of the Leghorn count twenty-six. The same sections in the Plymouth Rock count but twenty. If head points of the Leghorn count six points more than they do in the Plymouth Rock, should not proportionate discounts be made for defects? When the head points of the Leghorn are one-fourth of the entire count, and one point more; if these points are defective to the extent of a discount of 25 per cent. over six points would be lost for an unattractive head, yet we witnessed a short time ago a quibble between three experts as to whether a Leghorn comb should be cut one point, two points, or three and one-half points.

The defects in this comb were as follows. Too large in size, one point; too heavy and overhanging in front, one point; heavy at the heel of the comb, one point; thumb mark in the side, one-half point; deduction of three and one-half points. The Standard calls for coarse texture of comb, one-half to one point. In Rose comb, roughness, irregular, hollow center, oversize, ill-shape in comb, from one-half to two points; rear of comb turned round, one-half to one point. How could it be possible in the face of such defects to talk of cutting a comb as above described one point? The Leghorn comb should be the most perfect of all combs to be beautiful. If they lack in these, they should be discounted on each of these irregularities in proportion to the amount allotted to the whole comb of ten points; if one-fifth off from perfect, two points; if one-third off from perfect, three and one-half points, and so on in the proper ratio.

Ear lobes in Leghorns count six. They should be white in color. If they are red or discolored to the extent of one-sixth of the surface color on each, cut them two points; if more than this, cut in proportion. Where one-half of ear lobes of cockerels or pullets is red, they must be disqualified; if one-half, disqualifies, one-fourth should cut them one-half of the entire count on ear lobes, which would be three. This is, we think, how the discounts should be made. One might continue for chapters considering head points alone. If, however, each one would read the Standard very carefully and study it as it is written, they would soon become familiar with what is known as a perfect comb for the breed, and would not be led astray by badly formed, ill-shaped head-gear.

Of one other comb feature in the Mediterranean varieties we would make special mention—that is, the Minorca comb as compared with the comb of the Leghorn. Remember distinctly that the Standard says that the comb of the Single-combed Leghorn should not have any tendency to follow the shape of the neck, while in the Minorca the opposite is the rule; the Minorca comb should follow the shape of the neck. When a Leghorn is shown with a comb that leans toward or follows the shape of the neck, that bird has a comb absolutely incorrect, while on the other hand, if it fails to follow the shape of the neck, it is not a Minorca comb, and should not be so considered.

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Vineland Poultry Farm, Vineland, N. J. 12-9

In the majority of cases, the color of the eye is described as bright red or bay. There is entirely too little attention paid to this feature at the present time. A rich, attractive red comb, face, wattles, ear lobes when so demanded, and eye is an evidence of fine breeding and perfect health. There can not be anything less attractive than a light-colored or a pearl-colored eye upon a specimen where the bright red is demanded. In the Leghorn and the American family bright red eyes are called for. No other kind of eye fills the bill, and the proof of its beauty and prominence is the fact that when a specimen has a beautiful bright red eye, attention is always called to it. When the eye is of another shade, the question is always asked: "Do you think that a very bad eye?" On the other hand, the Cornish Indians and the Whites as well should have yellow eyes, or eyes approaching a pearl color. Too often we see in these, eyes more fitted for the Plymouth Rock. What is the cause of this bad, undesirable color? We are forced to believe that the specimen termed Cornish Indian is not pure in blood, or it would not carry the red-colored eye. If the presence of a red eye in an Indian Game is considered proof of impurity of blood, why should not the light-colored eyes in the American or the Asiatics be accepted as an emblem of impurity?

We know that the light-colored eyes are becoming more and more acceptable in the show pen—not from preference but from necessity. They are found in the show pen much too frequently. Too little importance is attached to this. If the eye of the Wyandotte should be bright red or bay, if the color is of so much importance, why is it that we see so many, many score-cards of specimens having the light-colored eyes without a single discount placed against them on the card, when the Standard states that in cutting for defects when the color of eye is not as described for the different varieties, each should be scored one-half to one and one-half.

As to weight: The Standard gives weight for almost every breed. Where weight is described, it means under the ruling of the Standard so many pounds. This is an error, from the fact that it is possible to make a specimen that is considerably under size so fat and heavy as to weigh in under Standard demands. Size should take the place, and be considered as the feature of importance, not the number of pounds of fat and specimen carried. A Plymouth Rock of good, generous size could be made to outweigh any one of the undersized, loggishly fat specimens that are often weighed in and passed upon as correct in size and weight. Size as the bird appears in the pen should have the consideration and not the number of pounds created through over feeding and stuffing the specimen into unnatural weight.

That which is wanted is natural size, not unnatural size, fattened into overweight. Size within the proper limit of breed characteristics is the feature of most importance. We should drift away from the consideration of size gained through the use of the scales, and make use of the eye, guided by common sense as the rigid rule governing the size, not merely the number of pounds or ounces that one is able to make them weigh when they are being prepared for the show pen. The time to fatten fowls is when they are prepared for the butcher's block, not for the exhibition hall or the breeding pen.

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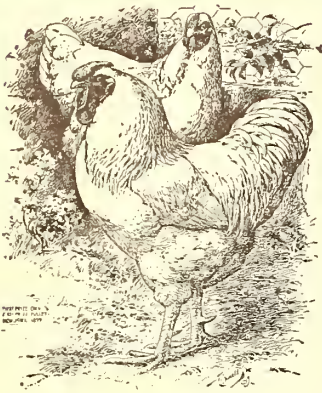
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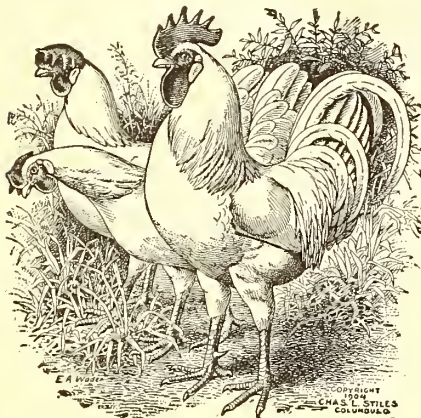
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Send for Handsome Mating List.

### JOHN S. MARTIN

BOX H PORT DOVER, CANADA  
12-8

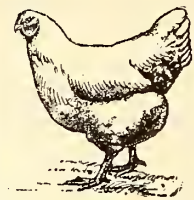
Another feature of more than vital importance is the color of shanks. When the Standard says color of shanks yellow, and that shanks other than yellow shall disqualify, what are we to think of specimens that are permitted to win under these rules that have shadings of dark green, or dark shadings of any kind or character down the shanks or on the feet? Entirely too much lenience is displayed at the present time among the Plymouth Rock and Leghorn classes with reference to the color of shanks. If shanks other than yellow in color are to disqualify, how can it be possible for specimens having bad discolorations in shanks, to win in the show pen? Why is this permitted? Why might we not as well overlook a bare middle toe in the Cochin as to overlook the bad color of shanks in breeds or varieties which should have the clean, yellow color?

In Barred Plymouth Rocks, the description is: "Shanks and toes yellow, shanks other than yellow to disqualify with due allowance for fading with age; dark spots not to disqualify, but other than yellow to disqualify." How can it be possible that a judge permits specimens, especially among the females, to win in the classes, these specimens having shanks that look as though they had been smeared with dark shading over the toes and up the front of the shanks, almost half-way to the knee. If the law reads that shanks other than yellow shall disqualify, dark spots excepted, what must be the decision in the consideration of the badly-discolored shanks, a feature so prevalent at the present time on the deep Barred Plymouth Rock females?

## Value of Keeping Records

It is impossible to succeed in raising squabs profitably with unmated birds in the breeding pens. Even with mated birds you can not succeed unless you can keep record of each pair. Some pairs will give you ten pairs of squabs a year, some four pairs, and a great many only three pairs. My system a fifteen-year-old child can get the record without trouble or disturbing the birds. And doing without the record is putting more poultrymen out of the squab business than anything else. It is no small job to get a record of each pair with the system advocated by some breeders.

I have bred pigeons for thirty years, and I know that most of the birds kept do not pay their way, and the plant is kept up by the few pair of prolific breeders. The record shows at a glance what each pair is doing. You will find birds that lay their eggs, but never hatch a squab; others hatch one; others hatch three pair, and only raise one; others that hatch pairs and only feed the one squab. It will give you the best and surest way of getting out of the breeding pens birds that don't feed their squabs. I don't care how many squabs a pair will raise, if they do not feed them enough so that they become fat they are of no use to the squabber. There is one thing about pigeons: If you have birds that give you large, fat squabs, you will find all of their young will be alike, and they are the birds you want to breed from if they are prolific. That you don't know unless you keep the record. A record obtained from colored bands is often very liable to be a wrong one on account of mistake in colors.—Wm. H. Jones.



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America's Best UTILITY AND BEAUTY STRAIN

Prize winners and world's greatest layers, possessing the finest reproducing blood in the country that has been made by years of careful and correct selection and mating. Bred since 1896 for large size, vigorous constitutions, heavy winter laying, and perfection in "Standard" requirements. Try a setting or more of our eggs for hatching; the result will more than please you, and prove an excellent investment. Eggs from best pens only that will hatch rapid-growing, quick-maturing chicks. \$2 for 15; \$5 for 45. Satisfaction guaranteed. Circular free.

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## Save the Chicks



Don't let your chicks die from Bowel Complaint. Don't let Cholera and other diseases cut down the productiveness of your fowls during the present season. More chicks die from Bowel Complaint than from all other diseases combined, and yet it is the easiest of all poultry diseases to prevent or cure.

## Germozone Cures

Bowel Complaint, Cholera, Chicken Pox, Canker, Roup, and other poultry diseases. It is a germicide—a bowel regulator. Most poultry diseases originate from Colds or from some internal disorder, which, if taken in time, can be quickly cured, but if neglected quite frequently results in loss of the entire flock.

Germozone goes immediately to the seat of the trouble, and, unless the disease is in its last stages, will invariably effect a speedy cure. You ought to use it now. A teaspoonful in the drink will prevent disease and keep your fowls healthy.

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which I have bred to lay, win and pay. They won at Hagerstown, Washington, Scranton, Pa. and other leading shows and for LAYERS they are unexcelled.

Eggs per setting \$2.50 and \$5; \$10 per 100. Satisfaction and square dealings guaranteed.

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A breeder of White Wyandottes, exclusively, for eight years. Eggs, \$1.50 for 13. Stock all gone.

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## PHIPPS' B. P. ROCKS

Have won wherever shown. White Orpingtons, the greatest of layers. Eggs, \$2 per 13.

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H. L. MAPES, Clearview, Mt. Lebanon, Pa. 13-5

## FARM POULTRY YARDS

15	EGGS	\$1.00
30	EGGS	1.75
60	EGGS	3.00

Two Medicated Nest Eggs with each order

Golden, White, Silver, and Buff Wyandottes; Rose and S. C. Brown and R. C. and S. C. wh. and S. C. Buff Leghorns; Barred, Buff, and Wh. Plymouth Rocks; S. S. Hamburgs; Anconas; W. F. B. Spanish; Golden and W. C. B. Polish; S. C. Blk. and Wh. Minorcas.

C. I. Games; Rose C. Bk. and Rose C. Wh. Minorcas; Rose C. R. I. Reds and G. S. Hamburgs, \$1 for 13; \$2 for 30. Columbian Wy. \$1.50 for 13.

Most of our poultry is kept on separate farms, therefore the eggs are fertile and the chicks strong and vigorous when first hatched. A fair hatch guaranteed or order duplicated at half price. Circular free. 25 years as breeders.

Whitney & Son Triangle, N. Y. Successors to Whitney Bros. 12-8

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"Again Lead All at New York and Boston"

At Madison Square Garden, New York, January 1-5, 1907, on only eleven entries, won 4th cock, 2d, 3d, and 5th cockerel, 1st, 3d, and 4th pullet.

At Mechanics Hall, Boston, January 15-19, 1907, won 1st and 3d cock, 3d and 5th hen, 1st, 2d, 5th, and 6th cockerel, 1st, 2d, 5th, and 6th pullet, and 1st Exhibition Yard; also the \$100 Cup for best male and the Greenholme Cup, and cash specials for best display and for best cock and four hens, and for best cockerels and four pullets. A grand lot of Brahma Cockerels and Pullets to spare.

White Wyandottes, Promoter Strain. Fifty large fine Cockerels for sale at a bargain. Write for prices.

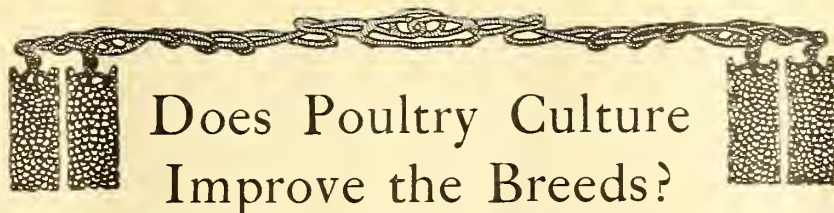
Brahma eggs \$5 per setting. W. Wyandotte eggs \$3 per setting.

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YARDS AT WOODVILLE, MASS.

18-4



## Does Poultry Culture Improve the Breeds?



MUCH is to be said for and against this proposition were it not for the fact that the Standard of Perfection controls absolutely the question of beauty in fowls and the fact that by the Standard the prizes are awarded, and the fact that the winning controls the price.

Beauty in itself cuts no figure. The winner of to-day is the sole question. But many, like myself, believe that standards should be fixed and unchangeable.

Several years ago the Buff Cochins cockerel, "Little Chestnut," was con-

variety I will not admit they are one whit more beautiful now than when "Little Chestnut," a decade ago, held spell-bound the spectators at the Madison Square Garden.

But when you come to the Partridge Cochins we have to tell a different story. We have seen the steady growth of perfection of this variety from its Black-red Shanghai existence of 1855 through its grouse-colored plumage into those of its minute pepper and salt stage in brown color up to its present outline penciling of fine lines of dark brown that took on the outline of the feather and a base color of golden bay color with a volume of plum-



LITTLE CHESTNUT

sidered by all the breeders, judges, and fanciers at the New York Show, the most beautiful in form and color, and as scoring full 95½ points of the demands of the Standard. Had his type and color been a fixed and unalterable exponent of the Standard, the race to-day would have been equally appreciated and the utility, so far as egg production is concerned, far in excess of the present Cochins. But we Americans, I fear, are losing our independence of action. Since the time of which I write, excessive length and volume of plumage for the breed has been accomplished and the judges have catered to it, even ignoring the fact that vulture hocks are still considered by the Standard a disqualification, because the excessive length and fluffy texture of body and thigh plumage envelopes this objectionable feature. That item in our Standard is ignored, and we exclaim, How about the beauty of the Cochins family? In the Buff

age that has blended shank and foot feathering to perfection without little of the vulture hock evil. To-day in this breed we can truthfully say, behold the wonderful achievement in size and beauty in this breed that has outstripped all others in the past decade. These changes in the two varieties have been so great as to overshadow all other varieties of Cochins, and in a manner forced them into oblivion and still more their form in a measure has affected the shape in other breeds.

The fact is the Standard should decide the form to be declared beautiful, notwithstanding striking pictures in breeds outside of Standard dictations are appearing to beautify our exhibitions and are captivating our judges to a deplorable degree. But beauty in everything animate will, as it has always controlled the masses. This fact is apparent in our constantly changing the Standard to please those in control by giving to them a better description of color in the breeds.

## YOUNG CHICKS



just hatched from Barred and Buff Plymouth Rocks, Single Comb White Leghorns, White Wyandottes, and R. I. Reds, at 8½c to 15c each. Distance no objection.

Twelve years experience in shipping chicks. Pine Tree Hatchery. Send for circulars and get your order in early.

JOS. D. WILSON, Stockton, N. J.

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## LOPEZ GRIT

is superior for all kinds of poultry. Carefully prepared from natural rock. Hard, sharp, grinds until used up. Furnishes mineral elements for digestion and egg-making. Sold in 50 and 100 lb. bags. Sample free. Agents wanted.

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**SQUABS** We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous Plymouth Rockers are the largest and most prolific Homers. Letters like these come every day: (Oct 8, '06) "Nine months ago I bought of you four pairs of extra Homers. I had to move them twice to make room. Have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers." W. I. MacRey.

We have thousands of such letters. Send for our printed matter. Start small, go slowly and learn the business. The new law in Mass. and N.Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

**PLYMOUTH ROCK SQUAB COMPANY,**  
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**ALUMINUM PIGEON BANDS.**  
Seamless and open. 12, 20cts 100, \$1.00.  
Sample for stamp.

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**SQUAB BREEDERS**  
Do you want thoroughbred Homers? Do you want mated working birds? We ship no birds as breeders unless producing young for us. And we give you a list of the pairs showing band numbers of each.

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**SQUAB SEAMLESS BANDED ANTWERP HOMERS RAISING**

are the best Squab Breeders. Seamless bands can not be altered or removed without destroying either the band or the bird; they identify each bird by number and show date when hatched. Young birds are profitable, old ones an expense. Seamless Banded Antwerp Homers, one to three years old, five pairs, \$10; ten pairs, \$18; fifty pairs, \$80; prices quoted on large orders. Aged and unbanded birds half price. All charges paid aboard express New York. Safe delivery guaranteed; deaths in transit replaced on return of bands. Orders placed with your express agent will be forwarded through express company's foreign department at my expense or remit by money order.

**J. L. MacDaniel, 18 A, Antwerp, Belgium**  
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**MATED HOMERS**

Birds that chose their own mates and are now producing squabs that weigh 8 and 10 lbs. to dozen.

Price, \$2 per pair.

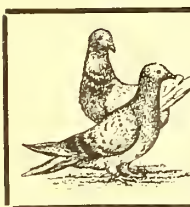
Each pair banded and number and color description with each pair. Buy only Homers with color description and band number, thereby saving time and money.

**THE MAPLE LOFTS**  
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**EATON'S FAMOUS POULTRY FOODS**

CHICK LIFE SAVER	SCRATCH CLIMAX	MASH PERFECTION
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Ask your dealer, or write R. D. Eaton Grain & Feed Co., Norwich, N. Y. Mention this paper.  
13-5



**PIGEONS PAY**

You can start a pleasant, profitable business with small investment and limited space. Homer pigeons raise squabs weighing 8 to 10 pounds to the dozen, but the squabs of our Giant pigeons weigh 12 to 15 pounds to the dozen, and sell at higher prices. This illustration shows relative size of the two kinds. Various desirable Giant squab breeding pigeons are described and illustrated in our large, 24-page catalogue; it also gives information on care of pigeons and squab raising, sent for 10 cents, in coin or stamps.

**KEYSTONE GIANT PIGEON CO.**  
354 Center Street. Scranton, Pa.  
12-9

Take the Plymouth Rock varieties as an example. To my mind, as a breeder of them for thirty-five years, I have never seen a male bird that surpassed in form and color the cock "Brotherin," a creation of 1878. But such specimens then were rare. To-day it is the many good ones of like form and beauty that have made our exhibitions such wonderful displays of beauty in this breed. The wonderful improvement in the breed has been in gaining so many good birds, not that the isolated best specimen of ten years ago has been beaten, for 96 points were reached then, and have never been equaled or surpassed.

As a judge, 95-95½ points in this breed have never shown up under me in twelve instances. The first prize pullet at North Adams, the same bird in the first prize pen at Boston this year scoring 95½, being the only one to reach that score in ten years. But the number to score 93½ to 94½ has multiplied until whole exhibitions of to-day are made up of these scores, and we exclaim at the improvement poultry culture has made.

But color in all the breeds has been the wonderful improvement, not the shape. The lesson for the future should be shape, and shape without color has not won. Color without shape has no business to win. Shape, weight, and color should and ought in the future to be of equal importance. Shape and weight make up the commercial value, color is the artistic demand.

The new breeds that have come in create an interest in our later day exhibitions to the detriment of many breeds we used to call beautiful. We are forced to say our present exhibitions are not balanced. None but breeds that are noted for utility come out in generous classes. Outside of three or four of our very largest shows we do not see nearly all the breeds represented. This should not be, for there is not a breed but is profitable if properly cared for.

We are forced to say, however, our present exhibitions are wonderful displays of feathered beauties and the exhibits in poultry, eggs, incubators, and feed stuffs and appliances, so useful in poultry culture, all augment our present exhibitions and arouse our admiration and enthusiasm. While these are not fowls themselves, they make the merit of the fowls far more apparent to the visitor, for in them do we see the mainspring of action that brings in their value all the necessities for their success. To eliminate our exhibitions would be to take the very backbone out of poultry culture.—I. K. Felch.

Further communication with Mr. Felch leads to the belief that "Little Chestnut" was shown at New York the year that full-feathered English Cochins were being shown. "Little Chestnut" represents the type of Cochin bred prior to 1895. Since that time the full-feathered American type of Cochin has been largely bred and has forced itself into public favor at our larger eastern shows. Personally, we prefer the type of Cochin that has won at New York and Boston since 1901. They are very heavily feathered; in fact, profusely feathered throughout without the heavy vulture hock. No one can gainsay the fact that the Cochins bred ten years ago were much better egg producers and better market poultry than the modern or full-feathered variety.

Several communications that we have seen of late tell of flocks of Buff Cochin fowls bred in several portions of the country, that produce even at this time one hundred and twenty-five eggs or

more in a year, the number claimed by Mr. Felch to have been laid by the type of Cochin that "Little Chestnut" represents.

As to the Partridge Cochin we have seen quite a number of these that were fully as rough hocked as any Buffs that have ever been shown. We remember some specimens of the Partridge variety shown at Chicago a few years ago, and some that were brought to the St. Louis Exposition, that were as long in shank and as heavy and coarse in hock feather as any Buffs that were shown at New York or Boston. New York has been very fortunate in its exhibit of Partridge Cochins. Nowhere else in the country have we seen so smooth a lot of Partridge Cochins as those shown at New York in the past few years. Notwithstanding this, there have been shown quite as many badly feathered Partridge White and Black Cochins as of the Buff variety.

We will not take issue with Mr. Felch relative to the Barred Plymouth Rock color, knowing, as we do, that there was formerly shown some specimens with most beautiful, clean, clear surface color, and we also know that it is the exception and not the rule to have a clean, clear surface color in this variety at the present time.

We trust that Mr. Felch will pardon us if we take exception to the point that the greatest improvement has been made in color and not in shape. We agree with him that color without shape should never win. Size, shape, and color, should be the rule. We think that weight should not represent size. We believe that size should be so prominent in the general make-up of the bird as to make it unnecessary to use scales to establish size.

It is to be deplored that specimens undersized have been permitted to win. It is equally deplorable that color without either size or shape has been permitted to win, but all this does not make or establish a precedent to be generally followed.

We hope that some of our readers will take up this matter in a careful, considerate manner, and write for improvement in the breeds, not for contention.—McG.

## Food for Bantams

Boiled rice is a good summer food for growing bantams. Wheat and oats, so profusely recommended as a feed for bantams contains too much protein and makes them grow too fast, while rice, which is less nutritious, as to bone- and flesh-forming elements is better for them. In raising Cochin Bantams we have used large amounts of boiled rice during the summer months; in fact, often for days they received no other food than this. Wheat contains more than ten per cent. of protein, rice four and a half per cent.; wheat sixty-nine per cent. carbohydrates, rice seventy-two per cent. Rice is good for bantams, good for fattening fowls if you wish white meat; but it is of but little advantage as a food for large-sized poultry, that you wish to develop quickly. Cracked rice may be fed to a limited extent to young chicks under three weeks old. A little of it may be used with profit for squab growing, but it can not be depended upon as a thoroughly good food for poultry.

"I used to subscribe to your Feather some six years ago. I am now starting in again to raise some fine stock, so I enclose 50 cents for your paper for one year. I always thought you had the best poultry paper I ever saw."—L. K. Buck.

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Every poultry raiser to send for my formula for making poultry food. Why pay 25 and 50 cents for a box of poultry food when we will show you how to make fifty pounds for the price of one box. One hundred pounds will cost you only a dollar or two to make. You can mix it in the poultry shed. Our food keeps your chickens strong and healthy. It makes your hens lay. Makes the chicks grow. Formula for making Easter Poultry Food and full directions for using it, \$1.

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Palmyra, Pennsylvania 12-10

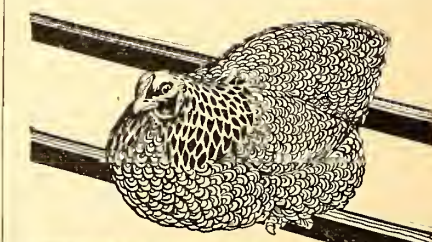
**Partridge Plymouth Rocks  
Genesees' White Muscovy  
and Mallard Ducks**

EGS AND STOCK FOR SALE  
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Breeder of Fancy Poultry

Meadowcreek Pittsford, N. Y. 13-6



## Which Do You Prefer?

Nothing saps a fowl's vitality more quickly than vermin; nothing will so certainly eliminate your chicken profits as lice and mites. Your hens will stop laying—chicks stop growing—nothing will thrive in the presence of vermin. It is not a question of raising both chicks and vermin, but rather a question of which you prefer—chicks or vermin.

Lice, mites, ticks, fleas, etc., everywhere abound—some more than others in certain localities—but some or all of them everywhere. Numerous insect destroyers are offered for their extermination. Some are effective in certain localities where others are worthless and vice versa, but

## LEE'S LICE KILLER

is effective everywhere and on all kinds of vermin. Easy to use and results are always satisfactory. You just paint or spray the roosts and walls of the poultry-house. That's all! No handling, dusting, dipping, or greasing. None of the annoyance and bother so necessary with other preparations.

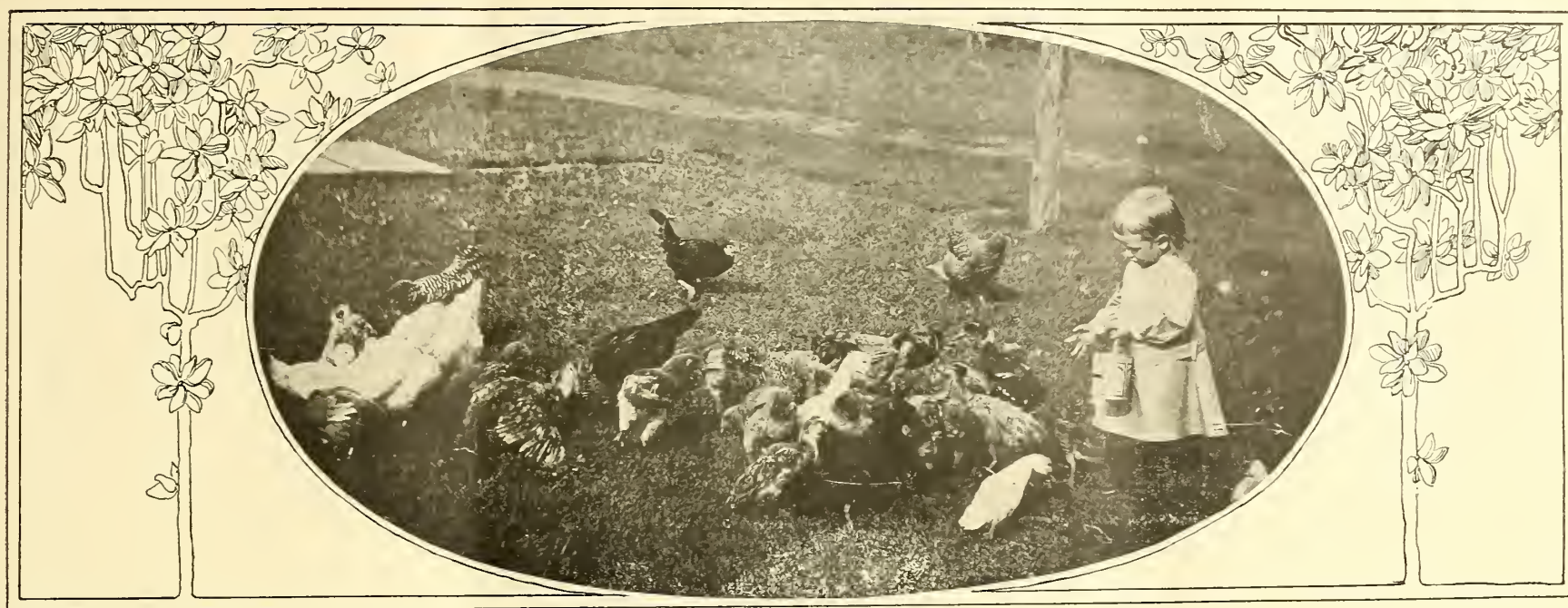
I have used your Lice Killer for some time and I would not give one quart of it for all the other so called Lice Killers on the market. O. M. ANDRAE, Portales, New Mexico

Price 35c, 60c, \$1.00.

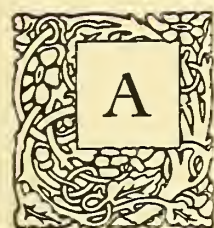
One gallon, express prepaid, \$1.25; and a 1907 Egg Record free.

**GEO. H. LEE CO.,**  
Omaha, Neb.





## The Value of Egg Production



ABOUT one year ago our attention was called to the fact that there was being cultivated at Alexandria, Va., a remarkable strain of laying Plymouth Rocks. We have kept in touch with this proposition, and on the 14th of March we went with our camera to Alexandria and made a final investigation prior to the preparation of this article.

Mr. E. W. Starnell, 912 Prince Street, Alexandria, Va., began about six years ago creating a strain of Barred Plymouth Rocks, having in mind to gain the largest egg yield possible from this variety. He began with a selection of stock that came from the yards of some of the advertisers in THE FEATHER. These were cared for, selected and fed for the production of a continuous egg yield throughout the year. Mr. Starnell's plan is based as near as possible upon the natural plan of almost continual exposure to all kinds of weather, the hens being sheltered from the rain and storms, yet not protected from the cold.

But one building is used for the hens. This building is located upon the rear portion of a lot that is 25 by 40 feet. The building itself is 12 feet wide by 24 feet long. At the rear portion of the building is the 8-foot division fence between his and the neighbor's lot. The east end of the building is the line fence upon the alley; the roof pitches back toward the line fence, and is covered with tar paper; the two ends, the rear and the roof make up the building, the entire front being covered with fencing wire, which is never covered or protected even with a muslin cloth.

Across the rear end of the building is constructed a hooded roost 6 by 10 feet, with four roosting poles within. The floor of the house is the ground, covered with dry earth, on top of which is strewn a great depth of dry straw. The only protection during the night is given by the muslin cloth turned down over the front of the



THE HEN ROSE, WHO HAS A RECORD OF 293 EGGS PER YEAR, AND FORTY-FIVE OF THE EGGS

roosting box. This does not fit very close, and there is an open space of about eight inches at the upper nest to the roof. Within this open shed house are confined thirty-five hens and pullets, with three male birds. Twenty-two of the pullets in this house at the present time are daughters of the hen Rose, whose record we give below. Besides these twenty-two pullets there is the hen Rose, one of her offsprings, now a year old past, that is almost equal to her as an egg producer; the balance one-year-old hens of the same blood lines as Rose. All of these are Barred Plymouth Rocks of fine size, good type,

and the average style of color and markings usually produced under one single mating plan. The strength, the vigor, the health, and the general appearance of the hens kept under these conditions are remarkable. None of the combs were frozen the past season; none of the fowls have been ailing during the past year. Here we find remarkable conditions in comparison with the manners and methods applied in other localities for the production of a prolific and continuous egg yield. Prior to October 1, 1905, the hen Rose, then a pullet, was selected for a yearly contest, which began October 5, 1905, ending October 4, 1906. The yearly egg production claimed for her is 293 eggs for the year. The eggs laid by this hen were selected from which to hatch the pullets now in use with her for the continuation of the general production of thirty-five females. This contest, or yearly egg yield, began January 1, of this year, and will be continued up to December 31, coming. To illustrate the advancement made, we copied from the calendar books the number of eggs produced for 1905, 1906, and up to March 14, of this year.

Since visiting the yards, and up to and including March 30, the hens have laid 482 eggs, a fraction over 30 per day. In addition to the table records that follow for the forty-one hens during 1906, would be added 207 eggs that were laid by Rose during her test. These are not included in the record of the forty-one hens. Below is the record as kept by Mr. Starnell:

Forty-five hens, for 1905, laid during January, 263 eggs; February, 261 eggs; March, 602 eggs; April, 683 eggs; May, 459 eggs; June, 505 eggs; July 356 eggs; August, 416 eggs; September, 144 eggs; October, 394 eggs; November, 256 eggs; December, 286 eggs; total of 4,625 for the year.

Forty-one hens, for 1906, laid in January, 293 eggs; February, 321 eggs; March, 687 eggs; April, 677 eggs; May, 530 eggs; June, 613 eggs; July, 427 eggs; August, 396 eggs; September, 622 eggs; October, 827 eggs; November, 745 eggs; December, 749 eggs; total of 6,887 eggs for the year.



It is only just to state that Mr. Starnell claims to have lost the record of a few hens for the months of January, February, and August, of 1906. These, not being produced, were not considered.

For January, 1907, thirty-five hens laid 478 eggs; for February, 602 eggs; up to and including March 14, 437 eggs; an average of 31 3/4 eggs per day.

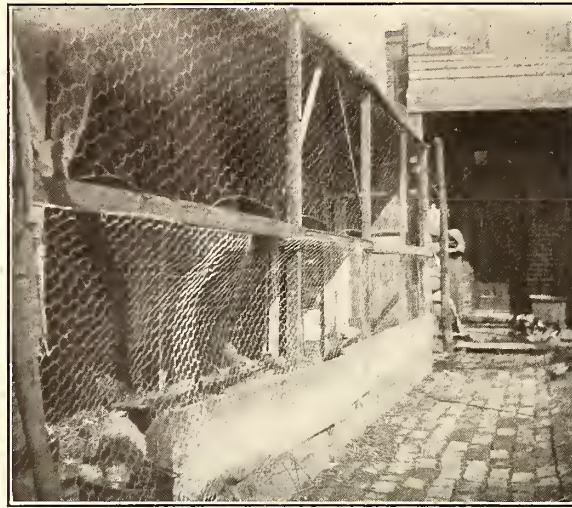
During the first seventy-three days of 1906 the forty-one hens laid an average of 26 eggs each. During the same number of days of 1907 the average per hen was 43 eggs. The remarkable feature of the laying contest is the increase per hen each year, and the regularity with which they lay.

The interesting portion of these records are the improvements made through selecting the hens and hatching the chicks only from the largest egg producers. The average per hen, in 1905, was 103. During 1906, 168. During the seventy-three days from January 1 to March 14, inclusive, there were produced 437 eggs, an average of 31, and a fraction per day for each of the thirty-five hens. During the same seventy-three days in 1906, the average production per hen was 26 and a fraction, while in 1906, for the same number of days, there were produced 43 eggs and a fraction per hen. Each year, as shown above, the average egg yield has greatly increased, until the wonderful record of 31 and a fraction eggs per day has been the record this season for thirty-five hens.

While at the yards, at 11 o'clock in the morning, there were eleven hens on the nest, which were undisturbed by our presence, and fifteen eggs had been gathered; thirty eggs having been gathered the day before, the forty-five were placed in a basket and photographed for presentation in this article. We counted the egg record kept by Mr. Starnell day by day for the two year and seventy-three days, and give his records.

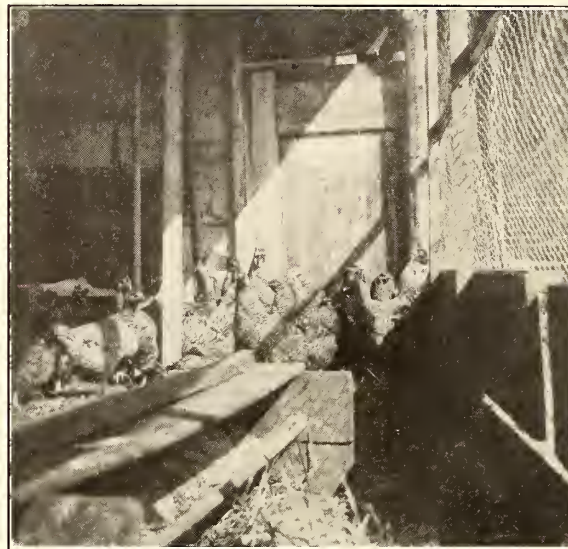
The hen Rose having the record of 293 eggs, is a fine large, attractive Plymouth Rock hen. The photograph taken of her shows the kind and character of formation prevalent throughout the entire flock? These hens never have any more exercise than can be obtained in scratching for their grain in the litter in the hen house, and an occasional run about the small yard in front of the house. In our issue of last September, we told of intense poultry culture in handling Brown Leghorns. The egg yield mentioned in that article is still continued in the Pitchlynn yard, but here at Alexandria are thirty-five hens kept under different conditions that have proven themselves to be the most remarkable egg producers that we have ever come in contact with. The feeding, handling, and caring for these hens is so primitive as to almost lead one to the conclusion that the comfortable house and the too much coddling of hens is a mistake.

Professor Gowell, of Maine, has taught a lesson in fresh-air culture of poultry. Mr. Starnell has shown what may be achieved in keeping the hens almost entirely out of doors during the entire year, through having inch board roof covered with tar paper as the only overhead protection, side and rear of building not even battened over the cracks of the boards. The sheltered or hooded roost for night is simply a windbreak protection, with but little warmth. The proof of the successful handling of hens in this manner is shown in the size and strength, health, and ability to produce eggs. It was stated some time ago in the papers of the country that the Bureau of Animal Industry would take under advisement the management of this flock, as they have become inter-



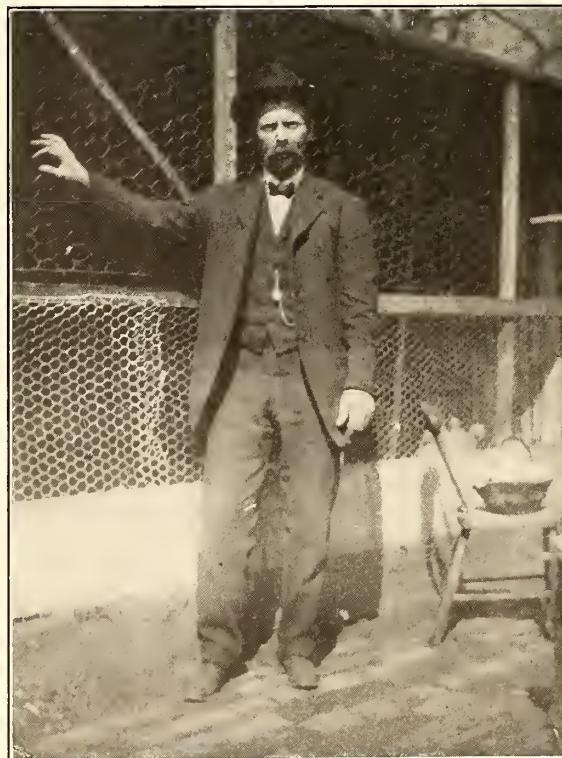
FRONT VIEW OF POULTRY HOUSE

ested in the great egg production at the Maine Experimental Station. Here within seven miles



INTERIOR VIEW, SHOWING THE OFFSPRING OF ROSE

of the Capital of the nation is the opportunity for the greatest test of poultry that has even been



MR. E. W. STARNELL

presented. We trust that something will be done to further improve and advance the conditions of this flock.

The entire cost in every way to Mr. Starnell for the month of February was \$10.40; sales made in eggs, \$31.28. The grain food used is a mixture of one bushel of wheat, one-half bushel of cracked corn, with a few oats mixed in. The dry mash is composed of cornmeal, middlings, and bran, about equal parts, with from ten to twenty per cent. of beef scrap mixed in the dry meals, which are fed in a covered trough, some of which is continually before the hens. The grain ration is thrown into the litter where the hens must labor continually in the depth of the bedding to procure a sufficient amount to sustain them. In addition to this there is a mixture for a mash composed of one peck of bran, one-half peck of middlings, one-half peck of cornmeal, two pecks of finely-cut clover. This is mixed, moistened, and fed in a reasonable proportion, as much as they will eat up readily once a day. There is no pretense toward special care, except to keep the floor of the dropping board perfectly clean, and the side walls and the floor in good sanitary condition, the whole building and flock being kept entirely free from insect vermin of any kind. This is a plain statement of facts, as we have found them. We imagine that these results will call for considerable thought and comment.

In connection with this we have in our possession a circular issued by William Gray, of England, who advertises the "World's Champion Layers"—White Wyandottes, giving the pedigree of the hens on the female side, dam producing 282 eggs, grand dam 248 eggs, great grand dam 236 eggs; on the male side, dam 261 eggs, grand dam 240 eggs, great-grand dam 221 eggs. The pedigree of the male birds used with these hens on the female side, dam 258 eggs, grand dam 242 eggs, great-grand dam 230 eggs. The male side, dam 250 eggs, grand dam 245 eggs, great-grand dam 234 eggs. This circular states that eggs from these matings will be sold, beginning with April 1, at \$12 per hundred; cockerel ready for mating at any time, at from \$15 to \$50 each. In addition to this, the claim is made that the birds are perfect in comb, shape, color of legs, and plumage, that a majority of the pullets lay before they are six months old.

The records of another handler of White Wyandottes in England states that thirty pullets laid from the 1st of November to the 20th of February, 2,050 eggs, or an average of 68 eggs in the three most unproductive months of the year, or an average of about 225 eggs if continued in under the same ratio.

One of the most remarkable records is a pen of Partridge Cochins pullets, which were hatched June 29, last, commencing to lay January 24, last, and in thirty days produced 107 eggs, or an average of about 27 eggs from each pullet for the thirty-three days of January and February.

These, in connection with the description of Mr. Starnell's success, shows the possibility of having from Cochins, Wyandottes, and Plymouth Rocks egg records to equal anything that has ever been claimed in the world, and the prices obtained for the Wyandottes, as mentioned above, is fully equal and in advance of prices received for fine exhibition stock of the same varieties.

These results should stimulate the efforts of all breeders toward making egg producing strains of poultry. Nothing in the line of poultry production can be made so profitable as the cultivation of a strain that will produce these large egg yields, and the prices which may be obtained from such results cannot be surpassed with the



finest exhibition stock. To be successful, one must so handle flocks to obtain their records, making the evidence so plain as to remove all possible chance of there being any opportunity to question them. Continued efforts have been made to arouse more enthusiasm along these lines. If the producers of all kinds of poultry would pay equal attention to the egg production as have those above described, the possibilities of profit in growing egg-producing poultry can scarcely be imagined.

In the four months' egg-laying competition of the Utility Poultry Club of England, the prize in Section A was won by Golden-laced Wyandottes from the yards of Messrs. Dillon & Tammadge. In writing of this the editor of Feathered Life states as follows:

"When we consider the conditions under which the whole of this section was called upon to compete, the wonder is not that they were beaten by the other section, but that so many survived such a terrible ordeal. For four months they were cooped up in a small house about seven feet by five and one-half feet, with, as the manager expressly tells us, a very deficient amount of light and green food. The result was that the birds got very fat and broody, and in a condition most unsuitable for egg laying. To have laid 174 eggs under these circumstances was a most creditable feat."

During these four months the four hens above mentioned averaged forty-three eggs each for the 120 odd days. During the seventy-three days of Mr. Starnell's contest, his thirty-five hens av-

eraged just forty-three eggs. The building used in the English contest provided a little over nine square feet to each hen, while Mr. Starnell's house provided just a little over eight square feet per hen. The conditions in these two tests are near alike, with the exception that Mr. Starnell's hens are thus confined during the entire year, the English contestants only for four months.

The several records given above must prove of more than passing interest to all who may be interested in the cultivation and improvement of the laying qualities of different kinds of poultry. We have the promise from Mr. Starnell that he will furnish us the daily record of his hens during the balance of 1907. We hope to visit his yards from time to time so as to keep in touch with the monthly management of his fowls.



## English and American Langshans



THE increased interest in Black Langshans, as evidenced by their appearance in the exhibition hall, leads us to a careful consideration of the exhibition Langshan in both this country and England. In connection with this the quality and a suggestion of

what the Langshan should be, to be successful in the exhibition pen, under our Standard of Perfection, is worthy of study.

The present type of Langshan as grown in England might be best described as a heavy-weight fowl, placed upon long shanks and thighs that presented more of a novelty than egg-producing or market fowls. It should be remembered that the early-day Langshans in this country were very popular as prolific egg producers and highly valued market poultry. The same was true of the early-day Langshan in England. If, however, we are induced to follow the extension of limb that has become such a fad in England, we will have destroyed the true value of the Langshan, and forced it into the novelty class.

The illustration of the White Langshan is made from a photograph taken of one of the most noted English winners of the past season. If we will study the formation, the length of limb, and the type characteristics of this specimen, we will more fully realize what is being done with this breed abroad, and what we are in danger of making our own Langshans. If we are anxious to have the novelty type of Langshan in preference to the heavy-bodied, egg-producing fowl, we can readily have this by cultivating the English type. If, however, we wish to cling to the utility value of the Langshan in connection with its other good features, we must reduce the length of leg, even as found in some of the specimens admitted to the prize list under our Standard. The Standard illustrates a heavy, rather long-bodied fowl. In other words, if we



ENGLISH TYPE, WHITE LANGSHAN

should use the tapeline measurement, we would find that the height of the Langshan from the feet to the top of the back in the male should not exceed one-fourth more than the length of the body measured from the full breast line to the rear of the vent; that from the center of the back to the ground should not exceed one-fifth of the body in length. In the female, the length of body should be longer in proportion even than this. The hen should be one-sixth, or thereabouts, taller from the center of the back to the ground than her actual length of body. Many of the English specimens are almost twice as

tall as the length of body. The Standard describes the Langshan as having a very broad, deep, full body, with shanks of medium length standing well apart; not the long, stilty shanks as we find upon some of the present applicants for honors in the exhibition pen. If we are going to cultivate this long, stilty type, place the Langshan in the class with the Standard game, and only hope to meet them semi-occasionally in the exhibition hall. Both the White and the Black Langshan, in their natural state, are valuable fowls for every purpose, but if cultivated into these unnatural shapes, they will become utterly useless as a profitable proposition, and will be forced into the class with other novelties that are only kept by a few to be presented in the show hall, where classes are made for them in which full premiums are allotted.

The proper distance between the tail and the neck of the male bird is just about one-fourth of the whole distance from the front of the neck to the rear of the tail properly carried. In some of the specimens which carry the tail too high, too erect, the back is so much shortened as to give the appearance of bad formation through the tail being thrown forward and the neck carried back, the result of elongation of shank and thigh and the actual shortening of the body of the specimens.

The Langshan is naturally long and deep of body, plump and full in breast, making heavy-weight market poultry. Few fowls dress better in proportion to live weight than do the Langshans when properly grown, but if this lengthening of limb, shortening and narrowing the body is continued, they will soon be greatly reduced in proportion of edible meat to live weight. When this has been accomplished, the Langshan will be of but little value as a market commodity.

The history of the exhibition hall and of market or utility poultry has proven beyond a doubt the fact that no kind of fowl can continue to be a favorite in the exhibition hall that fails in the



market stall. These two features absolutely and without question must go hand in hand for success. We have often stated, and it is well known that there are more Barred Plymouth Rocks grown and sold for market poultry than of any other two kinds kept in this country. It is also a thoroughly well-established fact that the Barred Plymouth Rock is the king pin in the show room, as well as prime favorite in the market.

The more a fowl is cultivated for the purpose of making better dressed market poultry, the more attractive and popular will they become in the exhibition hall; but as soon as the market features are utterly disregarded for fancy shapes and peculiar plumage, then they begin to dwindle in public favor.

For these reasons, we deem it advisable to call the attention of the fanciers and breeders of Langshans to the possible deterioration of these valuable fowls as the result of cultivation along impracticable lines. Build up the strength and stamina of the fowls; increase rather than diminish the size, and improve the shape of body. Do not detract from any of these features through a desire to have long, stilty legs beneath them. The majority of specimens which we breed are well-formed, well-proportioned market poultry. Cultivate and increase the real values; disregard the injurious English type that is destroying the salable qualities. Follow the true American type as seen in the best specimens, and retain and improve their good qualities. Otherwise they will become almost extinct with us as they are likely to be in the near future on the other side.

Cochins and Brahmas have become a novelty in England. No one considers them seriously as market poultry or egg-producers. No one looks upon the English Brahma and Cochin as other than a novelty, covered with long, flowing feathers that hide their small bodies from view. The same is becoming the condition of the Langshan in England. Formerly Brahmas, Cochins, and Langshans were known as great egg-producers. To-day, in entirely too many instances the Cochins produce but few eggs; the Brahmas about one hundred a year, and the Langshans do but little better. Unless conditions are improved, and the valuable qualities of all these fowls more largely cultivated, they will become local favorites, only exhibited as the preference of those who breed them for their novelty rather than for any utility value. We hope that the American poultrymen will never be led into the foolish practise of destroying the utility values of the Cochin, the Brahma, and the Langshan, but that, on the other hand, they will seek to improve these qualities the same as they do form and feather.

Recently, we have carefully noticed a number of flocks of Black Orpingtons, and studied photographs of them. The Black Orpington might be called a modified type of the Langshan improved for better egg production and more profitable market poultry. The breeders of Langshans have lost their opportunity by neglecting the egg-producing and market-poultry qualities of the Langshan. If the Black Orping-

ton is, as is claimed, one of the most valuable egg-producing, market and exhibition fowls of England, why did the Langshan breeders permit this new variety to come in and take from them that which they already possessed to such a large extent?

Langshans were prolific egg producers originally. Why should they be mounted on high shanks and bred to an unnatural formation? Why not cling closer to the type as described in the American Standard, and discourage the useless length of leg? We hope in the near future to favor our readers with an illustrated article on Orpingtons. For the benefit of those who love and foster the Langshan, we ask them to carefully consider what we have to say in this

article, and then compare it with the one on Black Orpingtons.

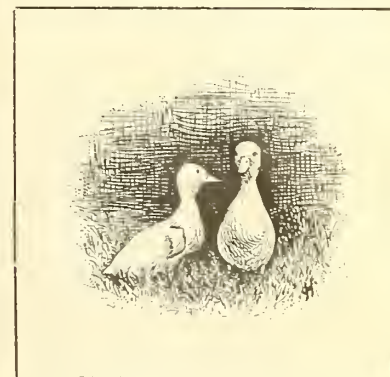
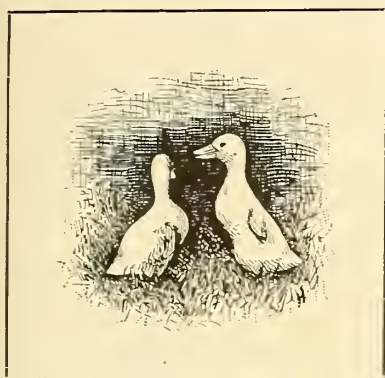
Another proposition worthy of consideration by the breeders of Langshans is the fact that the Black Orpingtons as a class produce more eggs, larger sized eggs, and eggs with a paler tinted shell than do the Langshans. Why not improve the egg-producing qualities of Langshans? Why not modify them to their former type, and have them fully the equal to the Black Orpington in every respect. There may not be this difference as claimed by the Orpington fanciers. If this is true, it is worthy of the consideration of the breeders of Langshans, who should not permit a breed of black fowls to come in and gain the supremacy.



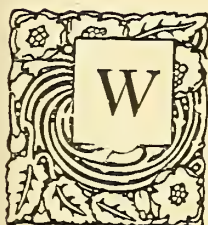
AMERICAN TYPE BLACK LANGSHAN







## Successful Duck Growing



WE RECEIVED a short time ago a photograph from Mr. Derby, of Wake Forest, W. Va., of his youngster feeding a flock of growing Pekin ducks. In his letter, he states that this young fancier gave about all the care and attention that was bestowed upon

this lot of Pekin ducks. The youngster seemed to have a natural liking for the work. The well-finished appearance of the ducks and the active interest of the youngster is fully shown in the illustration.

We use this largely as a true example of the easy proposition that one has in growing ducks. Ducks may be fairly successfully grown on dry land, hatched and mothered by ducks, or hens. The secret of duck growing under such conditions is having a few fertile duck eggs and a motherly Brahma, Cochin or Plymouth Rock hen to hatch and care for the brood. They should be fed mixed meals, made into a dry mash, and plenty of water should be near at hand for the ducks to drink. When given plenty of this kind of attention, combined with a liberal supply of the mash food, the more quickly will they grow into market size.

We do not advise this as being the best method of growing ducks. At the same time any one can grow a few ducks in this way provided they have sufficient ground for them to run over. We advise shutting them off from the house with a wire fence, or a fence of some kind to keep them away from the barns and living buildings. But our illustration shows how successfully they may be grown close to the wash-tubs and the home of their owner.

The ideal place for growing ducks upon the farm is where there is plenty of water for the ducks to swim about and sufficient land, no matter how rough or unproductive it may be, for them to roam over. When one has a lot of ducks that will lay their eggs in nests and then hatch them, the most successful method of duck growing in a small way has been established. The practise is not general among the better grades of ducks to permit them to hatch their own eggs. In former years ducks were confined in a lot about twelve feet square, where a semi-open pen building with nests were provided for them. The ducks were confined within this enclosure usually up to noon each day. The greater part of the eggs laid by them were laid in the

nests made of soap boxes, placed upon the floor of the building. Eggs that were deposited upon the ground or floor of the house were placed in the nests, the ducks becoming broody, hatching their own eggs. Thus each season a number of ducks of the Rouen variety were grown.

At noon each day these ducks were permitted to roam away to a stream of water several hundred yards distant from the house, from which they usually returned about sundown to their home and enclosure. Failing in this, they were hunted up and driven home. They were always well fed before they were permitted to roam away, and equally well fed when they re-



A YOUNG FANCIER WITH HIS FLOCK OF PEKIN DUCKS

turned at night. The old and young were treated the same as soon as the young were able to follow the mothers to the swimming pool. To-day so many of the duck eggs are hatched in incubators and raised in brooders that many of our ducks have not known in a dozen generations what it means to hatch their own eggs.

Formerly duck growing was only profitable in so far as ducks were reared for roasting during the winter months. Of recent years marked attention has been given to growing strains of egg-producing ducks. It is not unusual at the present time to have ducks that will lay over one hundred and fifty eggs each per year.

Among bakers duck eggs are worth in the market one-third more than chicken eggs. A duck that produces a hundred or more eggs in a year has given in return for its keep eggs fully twice the cost of the feed. This makes the business of growing egg-producing ducks quite profitable. These same ducks make splendid market poultry. One can have more profitable returns from a fine egg-producing strain of ducks than from chickens, provided they have a good place for growing them. Any waste, marshy lands, such as are shown in the picture of the swimming pool for Pekin ducks, that is adjacent to some rough land, either bare or covered with trees, is an ideal place for growing ducks or waterfowl of any kind. Here the ducks may have everything necessary for their well being. Always remember, however, that the ducks must be housed at night and kept shut up until they have laid their eggs in the morning. If given their liberty at all times, a greater portion of their eggs will be deposited in the water of the swimming pool or upon the adjacent land. Ducks must be confined during the night or early morning within a building, the floor of which is well covered with straw, if profit from their egg supply is desired.

Every one is familiar with the value of the Pekin duck for producing broilers in the shortest possible space of time, and at the least expense. These are not the most desirable as egg producers, or for producing winter roasting ducks, from the fact that they have never been cultivated for a large egg production—only encouraged to lay during the period of the year when their eggs are valuable for producing broilers. Their meat is interlined with globules of fat, which is not the most desirable grade of meat for roasting ducks. The Pekin are the great money-makers for producing broilers, and are thought more of, perhaps, than any other duck on this account. Too much cannot be said of their real value for this purpose.

Perhaps the greatest egg-producing duck of the world is the Indian Runner, of the type which we illustrate in our columns. Australia was the original home of the egg-producing Indian Runner. Flocks of these have been cultivated up to an enormous egg production during the year. Their eggs sell readily in the market; they hatch well and produce thrifty ducklings which grow quickly into mature specimens. These can be readily fattened to four or four and one-half pounds weight, and make most desira-





A SWIMMING POOL FOR DUCKS ON WASTE LAND

ble lightweight roasting ducks. Some of these ducks are being cultivated in this country into marvelous egg-producing strains. One of our friends informs us that several of their flocks produced last year more than one hundred eggs each. We examined the ducks grown from these within the past few months and found them of good size, well proportioned, and that they were laying during the winter months many eggs of fine size and appearance. That which has been done with the Indian Runner can easily be accomplished with every strain of ducks we have. More eggs can be obtained from all of them. Every one of them can be taught to lay in nests and hatch their own eggs, making it possible to keep ducks profitably in every locality in large or small flocks, according to circumstances and the locality in which they are kept. The Indian Runner duck to-day leads in egg-producing ducks; single specimens of other varieties have done as well, but no large number of any other breed has equaled the egg-producing average of some of the large flocks of Indian Runner ducks.

The next most successful egg-producing variety is the Buff Orpington, which we have mentioned a number of times in the columns of THE FEATHER. These were originally produced by William Cook, of England. They were taken to Australia, where they have been cultivated more than in any other locality, and have become the closest competitor of the Indian Runner duck in the duck-laying contests of Australia, and in the private flocks kept there. They are larger in size and heavier in weight than the Indian Runner, are of a bluish-buff color, have been produced through the crossing of several varieties; and trained continually as they have been for a large egg production, they became the great contest competitor of the Indian Runner. The illustration of these, which is used in our columns, is from the photograph made of the six best layers of the duck-laying contest of over a year ago in Australia. The photograph would indicate that they contain more or less of the Pekin blood in their veins. It has been stated that they were a mixture of the Pekin, Aylesbury and Indian Runner duck. We published more than a year ago a statement of Mr. Cook's about the originals produced by him. The people of England suspect that those received from England were crossed with the Indian Runner to influence a heavier egg yield. But few of them have ever come to this country. Those found here came from England. It might be advantageous if some of the duck growers of this country would bring direct from Australia some

of the best laying strain of this variety, and cultivate them for egg production and roasting ducks, as the Indian Runner is being cultivated abroad.



INDIAN RUNNER DUCK

The two illustrations of Rouen ducks, the one of seven and the other of five specimens, were made during the winter months at the Agricultural College at Ithica. The rear duck in the

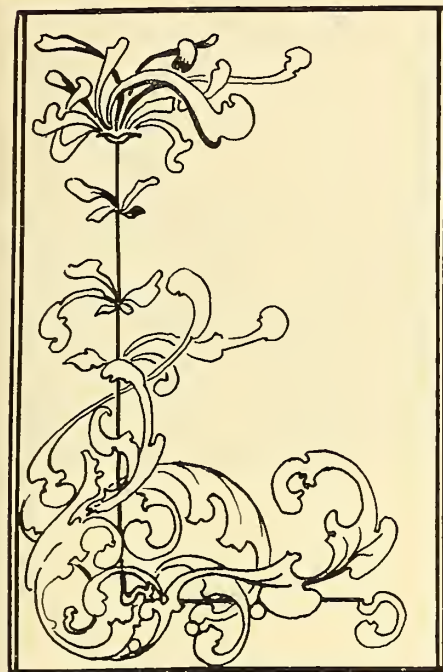
group of five is undoubtedly one of the best Rouen ducks that we have ever photographed. The group of seven are the young hatched from her eggs. The Rouen type, making and general appearance, is most marked in the group of seven ducks. Even the drake in this group is beautifully marked and very attractive in plumage. Study the head markings in each of these; compare this and the wing markings with the mother duck, and realize the value of having the proper quality in the producers of the eggs from which the young stock will be hatched. Undoubtedly the Rouen duck is one of the finest roasting ducks for general market purposes that can be grown. Descending as they do direct from the Mallard, they are very long, with a plump full breast. The meat covering the entire carcass is closely laid on, having a solid fiber, without the intermingling of fat globules; they take on heavy weight and become remarkably heavy roasters when fed for that purpose, and are not nearly as soft and greasy as the Pekin. They have no competitor as the highest class roasting duck, except the Aylesbury and the Cayuga. There are numerous other kinds of roasting ducks. None of these are grown in sufficient number to test their value as market roasting ducks. None of them surpass the Rouen in size and weight and ready growth. If the Rouen might be trained into giving a heavy egg production, they would become valuable as market-producing poultry.

As previously stated, there are numerous other varieties of ducks valuable as market poultry, none of which need feel slighted at our statements relative to the ones mentioned. Among these, the Blue Swedish, the West India, the Muscovy, which was thoroughly described recently in our columns, are all desirable, but have never been used in sufficient number to test their standing with the Rouen. Even the Aylesbury has not had equal prominence with us. In England, at the present time, it is claimed that the Aylesbury has been injured as a market duck through having been crossed with the Pekin. Every variety of waterfowl has its value, and every kind of waterfowl has its own special merit. In telling as we have of the good qualities of those illustrated, we do not attempt to detract in the least from the value of the other varieties that we have formerly written about in our paper. Each kind will be considered. Those presented at this time have been spoken of as they are to describe their value as a profitable proposition for those who wish to grow a few or many of them for home or market purposes.

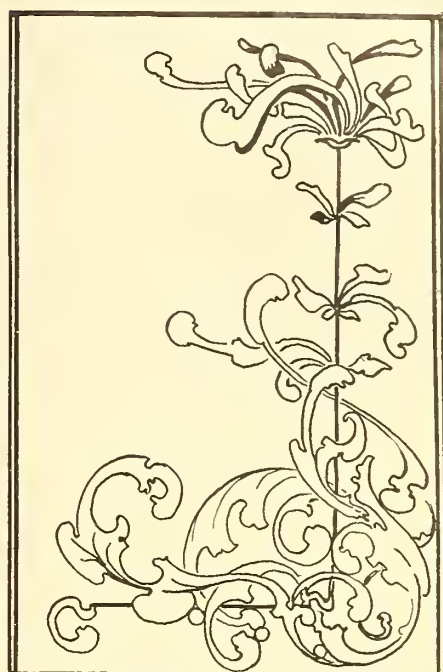


A GROUP OF THRIVING ROUEN DUCKS





## The Pleasure and Profit in Bantams . . .



IN OUR issue of August, 1906, we described and illustrated intense poultry culture and a working plant of Cochin and Brahma bantams. Having done so well for these, and and having illustrated the Black-tailed Japanese bantam in our October issue, we

now feel that it is to the interest of our readers to tell more about them and to show how the cultivation of bantams may become both interesting and profitable to any one who would like to keep a few fowls in a confined space and yet have sufficient return from them to pay for their keep.

Upon a small village lot, within six miles of the limits of Greater New York, was kept ten or a dozen Buff Cochin bantams, which averaged over sixty eggs each for the two years they were kept. This dozen hens produced in twelve months over seven hundred eggs in excess of what we used for hatching—about sixty chicks that year. This would be an average of two eggs every day from these little bantam hens. Most of them were laid early in the spring and late in the fall when eggs were most expensive. If these hens had been cultivated and cared for a heavier egg production, we feel sure that they would have produced at least a hundred eggs each during the year.

These bantams were not kept and cared for by the most approved methods; their living house was made from a store box, the interior of which was about three by seven and four feet high. Four legs, made of two by four lumber, were nailed on to each corner so as to lift the box more than a foot from the ground. Those of us thoroughly acquainted with the care of poultry would realize how cold such a house would be during the severe weather of New York winters. The bottom of the coop was covered with straw, and the little bantams nestled together in one corner on two roosts that made it possible for them to huddle close together for self-protection. If these bantams had been properly housed, they would have given much more in return for their keep. Both the Brahma and the Cochin bantams are prolific egg producers when properly cared for.

When keeping bantams on a town or city lot, they must be kept away from the neighbors' premises and public thoroughfares. They must also

be protected from wandering cats that are usually so plentiful in such localities. In preparing a home for bantams, a low, tightly enclosed yard in the rear of the lot should be constructed, leaving sufficient room between the gates of the bantam yards and the division fence of the lot to provide plenty of space for exercising the old birds now and then, and for a domicile for the mother hen with the young chicks. Such a construction as is suggested in our illustration can be easily made. These yards and enclosures will do for any and all kinds of bantams.

The selection of the kind to be kept can best be made to meet the pleasure of the preference of those concerned. Above all things, choose the best quality obtainable. No fowl is more valued than the choicest specimens of bantams; none can possibly be of less value than an inferior quality. No one should embark in poultry keeping for profit without being thoroughly familiar with the Standard demands for quality in their stock. Above all things, study the Standard well to learn quality. Go to the show-room and apply the knowledge obtained in this way to examining the stock shown there. When you are thoroughly educated as to quality, then is the time to make your selections; unless you are willing to accept the judgment of others. Of all things, however, have the best or else be satisfied with but partial success. Pyle Game bantams have become very

popular of late. The Black Rose-combed, or, as improperly termed by some, the Black Africans, have always been popular. They are a miniature Hamburg, having the style, carriage, head, comb, and ear-lobe like the Hamburg. These are much sought after when of superior quality. One that would win as these did at the Crystal Palace Show in England would sell for many pounds apiece, while one of inferior quality would scarcely bring a shilling. For these reasons one can only afford to have the best and breed them.

The little Sebright bantams, perhaps the oldest of all well-bred exhibition bantams, have been greatly improved of late. What is known as the narrow lacing, the fine, thin, dark lines about the open lacing has become most popular. This is beautifully illustrated in the specimens shown here.

Nothing else is as valuable in growing bantams as having well-selected bantam hens as mothers. We can remember one of these that hatched for us the first successful brood of dark Brahma bantams. She was given an old dog kennel as a home for herself and her brood of chicks during the entire winter, and never left them until she was finally taken from her brood and placed again in the pen for breeding. They are excellent and most contented mothers, and will care for a brood till the chicks are almost full grown if they will continue with her. For this reason nothing equals the little Cochin bantam hens for hatching and rearing all kinds of bantam chicks, as well as pheasants, partridges and quail.

Silkie are highly considered, or rather highly spoken of through the press as mothers for all kinds of bantams and other small fowls. We read that they are largely used abroad. We have illustrations of them being used for such purposes. Personally, we never found the Silkies of value either for laying, hatching or caring for the young chicks. Our experience with them is that they are very inferior egg producers, and that the silky formation of the feathers is not the most desirable for covering the eggs. The under plumage is apt to become tangled and twisted together, catching the young chicks about the neck and hanging or strangling many of them. Some may be surprised to have us make these statements. Twelve years' experience with all kinds of bantams and Silkies for hatching and rearing young chicks leads us to say that we would never recommend Silkies either



CRYSTAL PALACE PRIZE-WINNING PYLE AND ROSE-COMBED BANTAMS





SOME WELL-SELECTED SEBRIGHT BANTAMS

for pleasure, profit or benefit in growing young bantams. They are a novelty, as are the Booted bantams and Sultans, and are attractive for what they are, but they can not come anywhere near equalling the little Cochin bantam as a brood hen and mother, or as an egg producer.

Of recent years unusual attention has been directed toward the Sebright bantams, caused by the keen competition at the New York Madison Square Garden Show. Numerous birds have been imported at very high prices. Recently, we were informed that the third importation in two years by one man had been sold by him at such high prices as to prove the unquestionable demand for good quality. Growing Sebright bantams of the highest quality for exhibition is very attractive, but difficult and perplexing, all of which increases the interest in them. We have seen culls of this variety go begging in the market at a dollar a pair, when a trio of the highest quality would sell for twenty pounds or more. In breeding these little fowls one must thoroughly understand the art of mating to gain the best results, and be thoroughly conversant with the ancestral lineage of the stock at hand. Although the Sebright bantam has been carefully cultivated for more than a hundred years, they are yet classed as the most difficult to produce of the highest quality. Only experts have been successful with them. Any ardent fancier who will give time and attention to their study may become an expert. The merest amateur may buy and keep for his own pleasure and as ornaments any kind his fancy may prompt, but he need not hope to be successful in reproducing them until he has become familiar with their breed characteristics and general makeup.

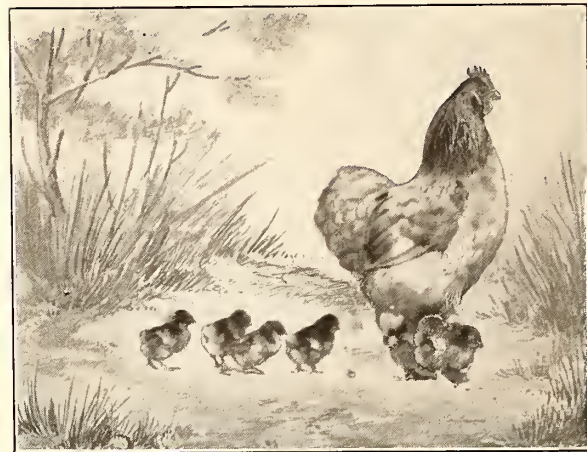
Sebright bantams, Rose-combed bantams, and Japanese bantams of the highest character are only created by those familiar with what might be classed the art in producing quality in these highly artificial varieties. Those who do not care to have them for pleasure alone had better select from the other varieties rather than to court disappointment in handling these. It is utterly impossible to produce good quality from inferior specimens. There is quite enough of the poorer kind produced from the best matings. There is little hope for obtaining a single specimen of quality from inferior parent stock. We should love to be able to create a hundred successful fanciers each year for all these little beauties, but we know that fanciers come through cultivation; they are not born nor created in a day. One of the most successful fanciers of all

Canada stated within the year that he very much regretted that old age was creeping on; that he was just beginning to learn how to produce successfully the finest quality in many of these most difficult kinds to handle. Those who would become fanciers of this kind must take their position at the foot of the ladder, and climb to the top through close application and attention to the essential requirements.

The Game bantams and the Cochin bantams are the most desirable for those who desire good results constantly. A well selected trio of Game or Cochin bantams will produce good quality most of the time. From such a trio the winners of the year are often produced. The difference with these and the others described is the fact that in the Cochin bantams the winners would reproduce perhaps better than themselves, whereas a pair of prize-winning Sebrights paired together might utterly fail. It is the art of pairing so as to produce the proper width of lacing and the proper amount of open center that is necessary. These are the problems that confront those who would handle these exquisite little beauties, while on the other hand, good quality alone is necessary for success, providing they are properly handled after they have been mated.

Long shanks and thighs are most admired in the little Game bantams. It is a well-established law of nature that those portions of the body put into most active use show the greatest development. It will be noticed in our illustration of the Pyle Games that they have an extended runway to go over covered with heavy grass. The old and the young are kept in such conditions. This gives an unusual development to shank and thigh, as it both lengthens and strengthens them. The most successful growers of Cochin and all kinds of Asiatic bantams grow the young in confinement, preventing as far as possible the unnecessary use of the limbs. This has a tendency to shorten the naturally short shanks and thighs of the Asiatics. To thoroughly satisfy one's self of the truth of these facts, hatch several broods from the same pen of birds, closely confine part of them until fully developed, permit the others almost unlimited range to go when and where they please, and note the difference in the length of shank and thigh.

In a recent article written by Mr. Hare, of Canada, he takes issue against the following statement: "The keel should be carried low and



PARTRIDGE COCHIN BANTAMS, JUST FROM THE SHELL

the saddle or cushion well up, showing a tendency to lean forward." He also states that an English fancier writes as follows: "A good Cochin always looks as if it would fall over, more so when feeding, for its position then points to a direct somersault." Mr. Hare says to this that he must enter his protest against such strong statements; that he is willing to admit that a very slight tendency to lean forward—so slight as to be scarcely noticeable—is characteristic of the Cochin family, but any marked tendency in this direction—any inclination to tip forward—is a defect displeasing to the eye and inimicable to the best interests of the breed. We are willing to agree with Mr. Hare as to the tendency to topple over, but we are compelled to state that every pair of Cochins, perhaps more with the female than with the male, that have ever been able to capture the blue or the red at either New York or Boston have been constructed along the lines described in the Standard, which states: "Breast carried forward in the male and carried low in front in the female. The body well let down between the legs." In the description it is plainly stated that the Cochin should be a very deep-bodied, massive, vigorous bird, possessing a dignified carriage, but showing a tendency to lean forward. The female should correspond to all this in a feminine way. Those who grow Cochins showing an unusual amount of daylight between the breast or keel bone and the ground always fail when it comes to the crucial test of winning in the show-room.

Those who cultivate the type and character described and illustrated in the Standard are most apt to gain prominence with their exhibit in the show-room. All of this can be well applied to the Cochin bantams. No Cochin bantam is worthy of a prize in keen competition that has long legs, erect carriage, body carried high in front. Those most deserving, those that should always win are those set down well between the legs close to the ground, with a tendency to lean forward. This is the true Cochin type, which should be applied with equal severity to Cochin and Cochin bantam alike.

While considering this matter of type we might well compare the present-day inclination to merge the Brahma type into the Cochin type of ten years ago. The stoop in the knee is often seen in the present-day Brahma and was the first sign of a letting down of the body of the Cochin well between the legs.



BANTAM YARDS ON THE REAR OF THE CITY LOT



## The New Plymouth Rock

**I**N REPLY to several requests sent us for information about the new variety of Silver-penciled Plymouth Rocks and how to produce them, it is only necessary to say that the Silver-penciled Plymouth Rock should be a perfect Plymouth Rock in shape, having the colors and markings of the Dark Brahma. The male of this variety is a Plymouth Rock, having the smooth or unfeathered shanks, with the black breast and the silvery top color of the Dark Brahma male. The female is a true Plymouth Rock, with the silvery gray color penciled with a darker shade, as are the Dark Brahmas.

a whole season's work, but if they have courage and determination to keep trying success will surely come. When we are mating varieties that have been bred for many years we have certain rules and the experience of others to guide us, but when we select practically a new variety, that have fresh in their veins the blood of the different breeds from which the variety was made, we have a task that is doubly hard, but one that is sure to appeal to every true fancier.

"The Silver-penciled Plymouth Rocks as bred to-day, are perhaps as near perfection as any new variety brought before the public in several years; nevertheless they have several faults, and in mating these birds from year to year we must



First Prize Pullet Madison Sp. 1907  
ROCK HILL POULTRY FARM OSSINING N.Y.

A SILVER-PENCILED PLYMOUTH ROCK PULLET

To produce these of the best quality one must follow in line with Plymouth Rock shape and mate to produce the finest of Dark Brahma coloring.

That our readers may have the most complete information on this subject, we requested Mr. F. W. Corey, manager of Rock Hill Poultry Farm, who is more directly connected with their improvement and admission to the Standard than any other one person, to write and state his views on the mating and breeding of this new variety. In reply to this he sends us the following:

"The man or woman who wishes to become thoroughly proficient in mating and breeding exhibition poultry must be willing to devote years of study and practical experience to the task. They must be content to proceed slowly, for oftentimes by one wrong mating we will lose

endeavor to correct them. I think one of the most difficult as well as the most desirable objects to attain in breeding these birds, is to get a strong slate under-color and a silvery-white surface under-free from brass, on the male birds. There is a strong tendency where a bird has a good slate under color for the surface color to be brassy; and where the surface color is silvery white, free from brass, for the under color to be too light. With this surface color we want a clear, distinct stripe in the center of the hackle and saddle feathers, which are to be edged with silvery white. I think this is the most important point from a fancier's view in breeding these birds. The beautiful silvery white back, hackle, and saddle feathers striped with black and edged with the white, is very attractive, and sure to make this variety popular with

## CLASSIFIED ADS

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### PLYMOUTH ROCKS

**Hazeldine's Barred Plymouth Rocks.** A Few choice cockerels for sale at \$3 and \$5 each. These cockerels are sired by the first and third prize cockerels at Scranton, Pa., 1906, and are brothers to my Scranton and Philadelphia, 1907, winners. Eggs from carefully mated pens, \$3 per 15; \$5 per 30. J. H. HAZELDINE, Bloomsburg, Pa. 12-8

**Mattocks White Plymouth Rocks.** Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

**Buff Rocks Exclusively.** World's Fair Winners. More prizes at state fairs 1904-05-06 than thirty competitors combined. Breeders or show birds from my second Madison Square cockerel; thirty-five competing. EDGEWOOD FARM, Ballston Lake, N. Y. 12-8

**Ringlet Barred Rocks!** Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

**Wysong's Barred Plymouth Rocks Are Fine as silk.** Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Eltham, Ill. 13-3

**White Rocks—Fishel Strain Direct—Standard bred; large, pure white; heavy layers.** Eggs, \$1 per 15. E. C. PURDY, Box 2, Croton Falls, N. Y. 12-8

**Marburger's Barred Rocks Win at Lititz,** the hanner show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. A. W. MABURGER, Lock Box 26, Denver, Pa. 12-10

**Buff Plymouth Rocks, Winners of the State Silver Cup at West Haven,** and specials for best shape and color; gold special at N. Britain for best color cockerel; scores 94 points, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

**White Rocks, Fishel Strain, Males and Females** scoring to 95. Barred Rocks, Bradley strain, scoring to 93. Eggs, \$1 per 15; incubator eggs \$5 per 100. Why pay \$5 per setting for eggs no better? BOWKER POULTRY FARM, Box F, Dublin, Ind. 12-8

**For an Inducement Will Sell Eggs 75c per Setting,** White and Barred Rocks and White Wyandottes. My birds are noted for their great laying as well as show points. C. L. YERBY, Douglassville, Pa. 12-8

**Barred Plymouth Rocks—Egg-laying Strain—**Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

**Partridge Plymouth Rock Eggs for Setting** from carefully mated pens; \$3 for 15; stock for sale. Write A. L. BAILEY, Westmoreland, N. Y. 12-8

**Barred Rocks Exclusively, Second Pen, Rutherford, December, 1906;** eggs that will hatch, \$1 for 13, \$7 per 100. Satisfaction guaranteed. WM. PERRY, Rutherford, N. J. 12-8

**Buff Rocks—Blue Ribbon Winners at Great Rochester and Auburn Shows.** Stock for sale. Eggs, \$2 per 15. J. LIESE, 6 Bly St., Rochester, N. Y. 12-8

**Eggs for Hatching from Pure Bred Stock Barred Plymouth Rocks,** 15 for \$1; 50 for \$3. Mammoth Pekin Ducks, 12 for \$1. J. A. McCARTY, Monroe Grove Poultry Farm, Aldie, Va. 12-8

**Buff Rocks, 50 Cockerels, \$3 Up, Pullets, \$2.** The egg-laying kind; my breeders score 90 to 94, winners at Scranton, 1907. Eggs, \$2.50 and \$1.50 for 15. Orders booked now. Ship when wanted. Write. A. L. FAWCETT, Box 5, New Albany, Pa. 12-8

**Barred Plymouth Rocks. I Want What I Want** when I want it. Strong, healthy, standard bred, heavy layers, farm raised: none better; eggs, \$1.50 setting. G. W. HAINES, Stanwick, N. J. 12-8

**White Rocks (Hawkins), Barred (Bradley Bros. strain).** Standard bred; stock for sale. Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Nieda, Ephrata, Pa. 12-11

**Eggs for Hatching from Choice Matings of B. P. Rocks.** I have bred them thirty years and they are up-to-date. Eggs, \$2.50 per 15; \$4 per 36. J. J. STAGE, 1123 Hatch, Spokane, Wash. 12-8

**Fenner's Strain Buff Rocks Eggs, \$1 per 15; \$2 per 40; \$3.50 per 100.** This is stock of seven years breeding and selection. G. H. FENNER, Route 1, Nazareth, Pa. 12-8

**Red Hill Farm, Bridgeport, Pa., White Plymouth Rocks, Eggs for hatching.** 12-8

**Barred P. Rocks Exclusively.** Eggs, \$2 for 15; \$3 for 30; incubator eggs, \$5 per 100; chickens, 8 weeks old, 50 cents apiece; \$5 per dozen. Send in your orders now and get the best. Mouey back if not satisfied. J. F. SMITH, Remington, Va. 12-8

**Barred Rocks—Bradley's and E. B. Thompson's Strains—pure, carefully mated.** Eggs, \$1 per 13. B. RHODES, Box F, Port Jervis, N. Y. 12-8

**Stock's White Rocks Are Line Bred from Winners.** Eggs from choice exhibition matings, \$3 per 15; \$5 per 30. The birds in these matings are grand, scoring from 94 to 96 1-4 points. Eggs from closely culled range flock which contains many birds scoring to 94 points, \$1.50 per 15, or \$8 per 100. VERNE D. STOCK, Lena, Ill. 12-8

**White Plymouth Rocks—The Quality of Chicks** from our \$1.15 per setting eggs last season was simply grand and the sales tremendous. This season they will be more so. Fair dealing and top-notch goods does the work. Send for catalogue; it is free. WHITE ROCK POULTRY PLANT, John M. West, Prop., Ashland, Ohio. 12-8

**Ivory Strain White Rocks—Record Layers and winners wherever shown.** Eggs, \$2.50 per setting. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

**Vought's Invincible Barred Rocks—Can Furnish** eggs from either Thompson or Bradley Bros.' stock, \$1 per 15; \$5 per 100. R. H. VOUGHT, Randall, Iowa. 12-8

**Barred Rocks—Finest Exhibition Quality.** Before buying eggs get my circular. Cockerel and Pullet matings. L. W. WALSH, Box 248 F, Lynchburg, Va. 12-8

**Barred Plymouth Rocks (Miles Strain Direct)—**Eggs from fine utility stock, \$1 per setting; I. S. RANCK, New Holland, Pa. 12-8

**Barred Plymouth Rocks. Established Since 1896.** Eggs from fine utility stock, \$1 per setting; \$5 per 100. GOUGH BROS. & CO., White Plains, Md. 12-8

**Ringlet Barred Plymouth Rocks and Single-combed White Leghorns.** Eggs for hatching from my Butler prize winners. Write for prices. JOS. C. SCHOTT, Chicora, Pa. 12-8

**Buff Rocks—Nugget Strain—Eggs from Extra** large heavy winter layers, nearly solid buff, \$1 per 13. Guarantee good hatch. ARTHUR TAYLOR, Washington, N. J. 12-8

**Belmont Poultry Farm—Breeders Standard Ring-**let Barred Plymouth Rocks, bred by double system, Rice and Wyckoff. Single-combed White Leghorns; eggs, \$1.50 per 15. CHAS. KILLIAN, Prop., Delanco, N. J. 12-8

**Buff Rocks—Just to Advertise—Eggs This Sea-**son at \$1 per 15. From choice stock. H. E. DECKER, Madalin, Dutchess Co., N. Y. 12-8

**America's Finest Buff and Barred Rocks and Buff** Wyandottes; choice stock for sale and eggs for hatching. MT. WASHINGTON POULTRY FARM, Mt. Washington, Ohio. 12-8

**Columbian Plymouth Rocks—The Ideal Fowl for** poultrymen and fanciers; winners first pen, Madison Square, 1907. E. B. ANDREWS, 9 West 17th St., New York. 12-8

**Barred Rocks and Single-combed Buff Orpingtons.** Eggs, \$2 per 15, from first prize stock. A few good rock cockerels. J. H. WORLEY, Mercer, Pa. 13-5

**Barred Plymouth Rock Eggs, Hawkins and Mc-**Clave strains. \$1 per 15. W. R. OSBOURNE, Baltimore, Ohio. 12-8

**Royal Blue Barred Plymouth Rock Eggs for** sale. If you want quality write me for catalogue and prices. Satisfaction guaranteed. GEORGE W. WATSON, Eldorado, Ill. 12-8

**Eggs, \$1 per 15; \$3, 45—Bradley Bros. or Ringlet** Strain. Barred Rocks, Cockerel and Pullet matings. Buff Rocks, Millville and Fox Strain. White Rocks, Fishel's eggs. Circular free. H. D. PINCKNEY, Mahopac Falls, N. Y. 12-8

**Asbjeld's Buff Rocks Are Good Ones.** Eggs, \$3 per 15; 10 chicks guaranteed. I. P. ASBJELD & SON, Box F, Nora, Alcester, South Dakota. 12-8



**For Sale—100 of Those Pure White and Stay**  
White Rocks and Wyandottes (Graves' Strain).  
You know the kind I raise. Northampton show,  
Nov. 27-29, I won 1st cock, 1st and 2d cockerels,  
2d and 3d hens, 1st, 2d, and 3d pullets, 1st and  
2d pens. Greenfield, 1st, 2d, and 3d hens.  
Springfield, 1st pullet, 2d cockerel. Holyoke,  
best cock, Cockerel, Hen, Pullet, pen shown by  
a member of American White Rock Club.  
HODGKINS POULTRY PLANT, Northampton,  
Mass. 12-8

**For Sale—Barred Plymouth Rock Cockerels, Two**  
to five dollars. Eggs in season; \$1 and \$2 per  
setting. Mention The Feather. JOHN AL-  
BRIGHT, Shannon, Ill. 12-8

**Partridge Plymouth Rocks and Partridge Wyandotte**  
Eggs, \$1 and \$2 for 15 eggs. Large  
stock; circular free. WM. SHREVE, Uhrichs-  
ville, Ohio. 12-8

**Crum's White Rocks Have Won in Columbus,**  
Cleveland, Detroit, Toledo, Pittsburgh. They  
will win for you if you buy them. Write to-  
day. DR. W. A. CRUM, Upper Sandusky, Ohio.  
12-8

**Choice Barred P. Rocks, S. C. Black Minorcas,**  
Houdan's, and Homer Pigeons. Send stamp for  
circular. B. F. BRUBAKER, Mount Joy, Pa.  
12-11

**250 Egg Strain, Utility Barred Plymouth Rocks,**  
7-years trap nest, bred for large egg-production,  
eggs, \$1.50 for 15; incubator eggs, \$6 per 100.  
HARRY WILLETT TAYLOR, Route 8, Berlin,  
Md. 12-8

**White Plymouth Rocks, Fishel Strain, the**  
World's best. Eggs for hatching, \$1.50 per  
15; \$5 per 100. Large orders a specialty, 75  
per cent. fertility guaranteed. ISAAC C. CLARK,  
Penn Yan, N. Y. 12-8

**Buff Plymouth Rock (Nugget Strain). Eggs from**  
prize winning stock, \$2 per 15. FRANK T.  
PHILLIPS, State Vice-president of American  
Buff Plymouth Rock Club, Lonaconing, Md. 12-8

**White and Buff Rocks, Rose-combed Black Min-**  
orcas; large show record; a limited number  
of eggs for sale. Satisfaction guaranteed.  
THOS. G. SAMUELS, Rhone, Pa. 12-8

**Barred Plymouth Rock and White Wyandotte**  
Cockerels, from prize winning stock, \$2 each.  
MRS. A. A. PARKER, R. F. D., No. 1, Bound  
Brook, N. J. 12-8

**\$1 per 15, Bradley's Barred Rocks, Cockerels**  
\$2 and up; hens and pullets, \$1.50 up; pens,  
\$8, \$10, \$12. Satisfaction guaranteed. W. G.  
RUBECK, Lockport, N. Y. 12-8

**100 Early-hatched Barred Plymouth Rocks and**  
Columbian Wyandottes; good size, shape, and  
markings. H. C. KEEN, Ridge St., Newark,  
N. J. 12-8

**Bradley Bros.' Strain, Pure Barred Plymouth**  
Rocks, four silver cups, ten first prizes this  
winter at Wilkes-Barre, East Greenville, and  
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Barred Rock in the show; 300 grand breeding  
birds for sale. Catalogue with photographs of  
winners. Eggs, \$2 per setting. BLUE BARRED  
FARM, F. H. Castner, Prop., Glen Gardner, N.  
J., R. D. 4. 12-8

**Buff Rocks Exclusively. Best Stock Money Can**  
buy; bred from prize winners; eggs, \$1.50 per  
15; incubator eggs, \$5 per 100. WM. R.  
BOYER, Danville, Pa. 12-8

**Eggs from Prize Winning White Plymouth Rocks,**  
\$2 per setting; mated Homer Pigeons, \$1.50  
per pair; unmated birds, 90c per pair. BRUN  
BROS., Rockaway, N. J. 12-8

**Buff Rock Cockerels at \$1.50; Pullets at \$2.**  
Eggs, \$1.50 per setting. PROSPECT POUL-  
TRY YARDS, Westfield, N. J. 12-8

**Eggs for Hatching, White Plymouth Rocks, \$1.50**  
per 15, \$2.75 per 30. HERBERT A. SMITH,  
Box 3, Hyaunisport, Mass. 12-8

**Stumptown Poultry Co. Standard Bred Barred**  
and White Rock and White Wyandottes, Amer-  
ica's leading strains. Eggs for hatching at re-  
asonable prices. R. 11, Bird-in-Hand, Pa. 12-8

**Buff Plymouth Rocks Exclusively. Fourteen**  
years a breeder of this variety. Winners at  
the good shows all these years. Some excellent  
exhibition birds for sale, shape right, color right,  
birds scoring up to 93 1-2 by Hewes and Pierce,  
PHIL FELT, Canal Dover, Ohio. 12-8

**Barred Plymouth Rock Eggs for Hatching, Brad-**  
ley, Miles, Wells Strains; \$1 per setting; \$5 per  
100. GEORGE HOWARD, JR., South Bound  
Brook, N. J. 13-4

**Robson's Buff Rocks Again Winners at Cincin-**  
nati and Springfield, Ohio. Send for mating and  
egg list. R. H. ROBSON, 203 N. Main St., Ur-  
bana, Ohio. 12-8

**Barred Plymouth Rock and Light Brahma Eggs**  
for hatching, \$1 for 15; \$1.75 for 30. Also  
some Scotch Collie Pups. Satisfaction guaran-  
teed. JOHN Z. FAUST, Mercersburg, Pa. 12-8

**White Plymouth Rocks, Fishel Strain, Cocks and**  
females, scoring 93 3-4; eggs, \$2 per 15; 45 for  
\$5; express prepaid. C. A. WHIPPLE & SON,  
Fairchild, Wis. 12-8

**Buff Rocks. Pure Nugget Strain. Eggs for**  
hatching a specialty; \$1.25 per 15; \$2.25 per  
30; \$3 per 45; leaflet free. E. C. TOBIAS,  
Woolrich, Pa. 12-8

**Bred to Lay—Buff Rocks Show Room Quality,**  
good size, shape, color; heavy layers; eggs, \$1  
per 13. W. B. MILLER, Box F, Douglasville,  
Pa. 12-8

**"M. C. S. Best" (Fishel Strain) White Rock**  
Eggs, \$2 per 15. Won 10 premiums at Shel-  
byville. Guarantee one-half eggs to hatch or  
replace free. G. S. McAFEE & SON, Ohlman,  
Ill. 12-8

**Fishel's White Plymouth Rocks, Guaranteed**  
stock for sale. Eggs, \$3 per 15; \$5 per 30.  
Write your wants. Dr. C. L. VAN OSDOL,  
Dillsboro, Ind. 12-9

**S. C. White Plymouth Rocks Exclusively. Farm**  
range. The ideal fowl for all purposes. Eggs  
for hatching, \$1 setting of 15; incubator, \$4  
per hundred. MRS. L. B. WILLIAMS, Louisa,  
Louisia Co., Va., R. F. D. No. 4. 12-9

**Barred Plymouth Rocks. Eggs from Extra Good**  
matings, \$1.50; from prize matings, \$2 per 15.  
ROBT. W. HARRIS, Fredericksburg, Va. 12-8

**Barred Rocks, Bred for Utility and Exhibition, \$1**  
per setting for eggs from large hens, good shape  
and color. D. N. RIEGER, Hyndman, Pa. 12-9

**Riley's Barred Plymouth Rocks Are Champions,**  
winning every first at the great Philadelphia  
Show. Get my mating list before hatching.  
HENRY D. RILEY, Stratford, Pa. 13-6

**Eggs from Thoroughbred Prize Winning Barred**  
Rocks, \$2 per setting of 15; \$5 per 100. Young  
chicks in April, \$12 per 100. Address MRS. A. R.  
NORTON, Old Homestead Poultry Farm, Selden,  
L. I. 12-9

**E. E. Pryor, Specialty Breeder, Barred Rocks,**  
Thompson strain, and Buff Cochlin Bantams, high  
prize winners and breeders. Stock and eggs in  
season. Martinsville, Indiana. 12-12

**Pure-bred Barred Plymouth Rock Eggs for Hatch-**  
ing from prize winning strains, \$1 per 15; \$1.50  
per 30. GLENN S. HARDY, Wlathrop, Route 1,  
N. Y. 12-9

**White and Barred Rocks; Heavy Layers; Fine**  
market fowl. Ten years breeding. Satisfaction  
guaranteed. Eggs, \$1.50, 15; \$6, 100. R. A.  
GRAFF, Jamesburg, N. J. 12-9

**Barred Plymouth Rocks. I Won at Morristown,**  
N. J. Show first cock, first and second hen,  
second cockerel, second pullet, beating high-class blue  
ribbon winners of other shows. Stock and eggs.  
W. A. HBLM, Chatham, N. J. 12-10

**Tucker's White Rocks. Fishel Strain Exclusively.**  
Eggs for hatching a specialty. White Holland  
Toms. Please write your wants. WHITE POUL-  
TRY FARM, Ligonier, Ind. 12-9

**Woodside Farm Barred P. Rocks, as Good as**  
grow; elegant barring; standard weight and  
over; both matings. Eggs, \$1.50 per 15; also  
Whites of best quality, same price. E. POLING,  
Keyport, N. J. 12-12

**Barred Rocks; Prize Winners at Washington.**  
January, 07, we won one first, three seconds.  
Stock and eggs for sale. Write W. L. ELSEA,  
Berryville, Va. 12-9

**Fishel's White Rocks. Will Offer Eggs from My**  
winners at Akron, Canton, Ravenna, Zanesville,  
and Carrollton, for \$1.50 per 15. This pen headed  
by second cockerel at Washington Court House in  
January. Satisfaction guaranteed. H. I. BEN-  
DER, Middlebranch, Ohio. 12-9

**White Plymouth Rocks Exclusively; Pure White;**  
good layers. Eggs—\$2 per 13; \$5 per 40. H. M.  
GESEY, Box F, York, Pa. 12-9

**My Buff Rocks Are Prize Winners at Every Show**  
entered. Try them and raise sure winners.  
Eggs, \$2 for 15. Stock for sale. RALPH BULK-  
LEY, Box 51, Columbus, Ohio. 12-9

**Buff Rocks! 2d Pen, 3d Cockerel, Buff Rock Club**  
ribbons for best shaped and colored males, Ann  
Arbor, 1907. 15 eggs, \$2; 30 eggs, \$3. E. E.  
CALKINS, Ann Arbor, Mich, Carrier 9. 12-9

**"The" 242-Egg Strain Winners! "American Hen**  
lays 65 eggs per year." (Government Rept.)—  
profit 10 cents. I offer settings at \$1.50 nad \$3  
from hens making \$3 each, yearly profit. Golden  
Buff, pedigree-bred eight years. W. H. MER-  
CER, 502 Twenty-fifth St., Detroit, Mich. 12-10

**Miss Ivory, Score 97 by Judge Orr, Is in Our**  
breeding yards. Our pens are the best we have  
ever owned. Eggs only \$3 per setting. White  
Plymouth Rocks. WILSON & LEWIS, Clarks-  
burg, W. Va. 12-9

**"Nonpareil" Barred Plymouth Rocks Meet Every**  
requirement. Line bred for over twenty years.  
Catalogue free. SCHWAB BROS., Box 241,  
Irondequoit, N. Y. 12-9

**Barred Rocks Exclusively Since 1890. Ringlet and**  
Bradley Bros. strains. Stock and eggs for sale  
at reasonable prices. Satisfaction guaranteed.  
F. S. WEINHOLD, Denver, Pa. 12-9

**County Line Poultry Farm Breeds Barred Rocks**  
and S. C. Buff Leghorns. Prize winning mat-  
ings. Stock and eggs for sale. \$2 per 15. Route  
10, Medina, N. Y. 12-9

**Thoroughbred Barred Plymouth Rock Eggs for**  
sale. \$1 for 15; \$4 per hundred. MISS MAR-  
GARET A. JONES, R. F. D. No. 2, Rockville,  
Md. 12-9

every one that likes a beautiful bird. In  
striving to get this surface color we must  
be careful to keep the under color dark  
slate, else we will get the white sickle  
feathers in the tail, and that would be  
nearly as disfiguring as the brass on the  
surface color. I hope every breeder of  
Silver Rocks will do all they can to im-  
prove their birds in this respect. I would  
select females with light steel-gray pen-  
ciling and strong dark under color, even  
if the penciling was a little mixed in  
sections, and mate them to a male bird  
with as little brass on the surface as pos-  
sible. Another chance for improvement  
we find in many flocks of this variety is  
in their combs, and I am afraid this fault  
comes partly through the Single-combed  
Silver-penciled Wyandotte blood that  
many breeders have introduced. This  
practise can not be condemned too  
severely, as it will surely ruin the variety  
if persisted in, not alone in comb and  
head points, but it will cause us to loose  
in body, shape, and weight, and that is  
something that no variety of poultry can  
afford to stand. In the color of the legs  
we have another section where we can  
work for improvement. While we had  
many pullets this past season with leg  
color as good as many of the Barred  
Plymouth Rocks, there is still a tendency  
to throw a dusky yellow leg, and we must  
all bear this in mind and use only females  
with as good leg color as it is possible  
for us to get.

"I have many people write me asking  
if I use separate matings for males and  
females. I will answer no. I believe  
that method to be wrong, and that it has  
worked harm to every breed that it has  
been practised on, at the same time I  
do not wish to say that good results can  
not be obtained that way, but I believe  
it is for the best interests of the variety  
for us all to use one mating for both  
pullets and cockerels and I am satisfied  
we shall obtain equally as good results.

"In conclusion I would say, study  
your birds and mate them with the object  
in view of correcting these faults; strive  
to obtain the strong slate under color  
with the silvery white back and clear  
striping in hackle and saddle feathers.  
Don't use a bird that you know or sus-  
pect has Single-combed Wyandotte  
blood in him, if you do you will loose in  
shape and size what it will take you  
years to get back. Select females long  
in body, as large as you can get them,  
with a Plymouth Rock comb free from  
side sprigs, good yellow legs and as  
well penciled as possible, and I feel sure  
you will see improvement year after  
year in these birds until they reach a  
state as near perfection as any of the  
older and better established breeds.

"The Silver-penciled Plymouth Rocks  
were admitted as a Standard variety at

the meeting of the American Poultry As-  
sociation held at Auburn, N. Y., this  
past winter. There will be a Silver Rock  
Club formed this fall or early winter, and  
I should be pleased to hear from all  
breeders of these birds, and have their  
ideas concerning this matter."—F. W.  
Corey.

Mr. Corey practises and recommends  
the single-mating plan, not believing in  
the double mating used in breeding  
Barred Plymouth Rocks. For the present  
and until greater perfection of form and  
color has been obtained, all should join  
in the single-mating plan. Use the sin-  
gle mating until the greatest possible per-  
fection has been reached under this plan.  
Then will be time enough to consider  
the separate or double mating proposi-  
tion. It may be said to the credit of this  
variety that they have better color and  
marking in both male and female than  
have the Silver-laced or Silver-penciled  
Wyandottes.

Mr. Corey states that the most difficult,  
as well as the most desirable object in  
breeding this variety, is to get a strong  
slate under color and a silvery white  
surface color free from brass. If the  
preservation of the strong or dark slate  
under color is continued in it will only  
be a matter of time until this variety of  
Plymouth Rocks will be as badly dis-  
figured in top color as are the males of  
the Silver-laced variety. No one has  
produced, nor do we imagine that it will  
be accomplished very soon, clear, clean,  
silvery white surface color in the males  
and the proper gray in the females from  
specimens having dark under color. The  
most beautiful Dark Brahma pullets are  
produced from males having very light  
under color. Why one should attempt  
an almost impossible proposition with  
the third variety of this color we can  
not understand. The Dark Brahma and  
the Silver-penciled Wyandottes should  
be an object-lesson as should the males  
of the Silver-laced Wyandottes. If the  
one thing most to be desired is dark  
under color, then change the description  
of the surface color of the male. Impossibil-  
ities may be overcome in a very few spec-  
imens, but it can not be made the rule.  
The surest way in the world to drive the  
fanciers to the use of double matings in  
this variety is to follow too close to the  
dark under color proposition.

The illustration of the pullet shown  
gives the best possible illustration of  
what can be produced in this variety in  
females. They are beautiful in color and  
markings. The great task for the poul-  
trymen breeding these is the preservation  
of shape, color, and markings, and the  
way to do this is to produce them all  
of true Plymouth Rock shape, with clean,  
clear, untarnished color and markings.

## Pigeon Flight at Jamestown

We have a communication from W. F.  
Dismer, 1347 Columbia Road N. W.,  
Washington, D. C., relative to the pigeon  
flights during the Jamestown Exposition.  
Not being close enough in touch to the  
matter involved in the article, we make  
extracts from the communication. Those  
desiring full information should commu-  
nicate direct with Mr. Dismer.

There seems to be general good feeling,  
and the subject of trophies has been care-  
fully considered. There will be several of  
these offered, two of which will be of-

fered by the management. One handsome  
trophy offered is valued at fifty dollars,  
another at twenty-five dollars.

The birds will be countermarked at a  
central point by the Jamestown Commit-  
tee on May 7, and will be shipped via boat  
arriving in Norfolk May 8, where they  
will be placed on exhibition until May 9,  
from where they will be transported to the  
spacious ground in the Aeronautical  
Building. We fear this information will  
not reach our readers in time to be of  
much value to them.



## Business World

### Hatched 201 Ducks from 217 Eggs

In proof of the fact that ducklings as well as chicks can be satisfactorily hatched in incubators, we present a picture of a hatch just taken off by G. M. D. Legg of Sterling, Ill. Mr. Legg was so well pleased that he had a photograph made of the hatch of his chicks, and then had it printed on postal cards. It forms a good advertisement of his ducks and is a credit to the incubator in which they were hatched—the latest pattern incubator made by the Cyphers Incubator Company. The photograph was dim and does not do the hatch justice. The drawers were so full of ducklings that a number fell overboard.

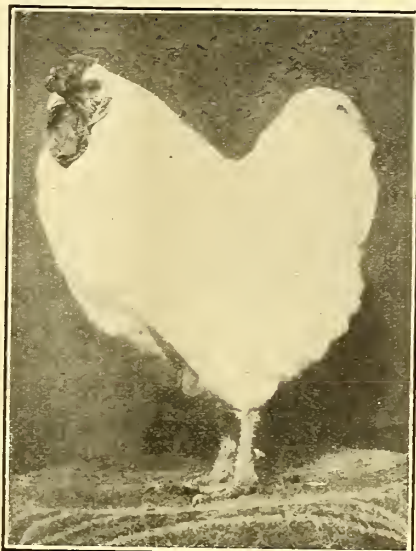
This is hatching with a vengeance. No wonder the Cyphers Incubator Company's catalogue contains illustrations of the many farms where their incubators and brooders are used. We can readily understand how the plants illustrated in that book are able to produce the great number of chicks and ducklings the proprietors tell about—one of them actually has a capacity of one hundred thousand ducks yearly.

None the less successful are the brooders made by the Cyphers Company. On April 13, Mr. Geo. C. Wontall, of Toms River, N. Y., wrote that "For the past ten days, with the thermometer ranging from 30 to 60 degrees outside, I have been testing one of your self-regulating outdoor brooders, with sixty chicks, and it showed a variation under the hover of only three degrees. I have

Cyphers Incubator Company, which will be sent free to any of our readers, who, in writing, names this paper. Address Cyphers Incubator Company, Buffalo, N. Y., or either of their branch offices in the following cities—New York, Boston, Chicago, Kansas City, Mo.; or Oakland, Cal.

### Winning Wyandottes

The display of White Wyandottes at both New York and at Boston the past winter were surprisingly good. Among these were shown a cockerel, winner of



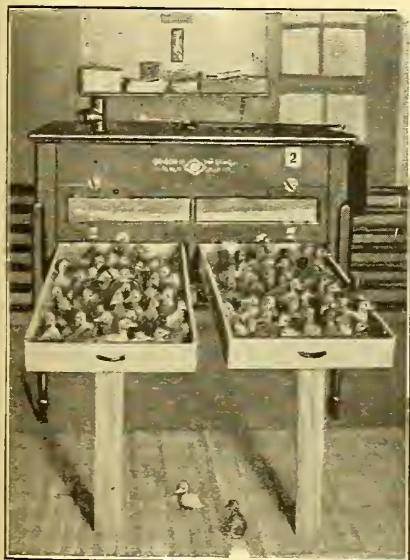
FIRST PRIZE COCKEREL AT BOSTON, 1907, BRED AND OWNED BY J. W. ANDREWS.

first at the Boston Show. This cockerel was bred by J. W. Andrews, of Dighton, Mass. Mr. Andrews furnishes us a photographic illustration of this cockerel for the benefit of our readers, who are always pleased to see a living illustration such as can be made from a photograph of this type of a bird.

Many good Wyandottes have come from the Andrews farm, and many most desirable ones are kept at all times for producing exhibition stock for another winter. Stock and eggs are always to be had from Mr. Andrews.

There are many roofings on the market to-day which will give satisfaction provided they are carefully painted or coated every year or two. This painting, however, is expensive and troublesome, and we are glad to note the coming into the market of a new roofing which requires no paint whatever. This is Amatite roofing.

Amatite has a mineral surface which takes the place of paint and lasts very much longer. Farmers who have any roofing to do should obtain a free sample, which may be done by addressing the Barrett Manufacturing Company, New York, Chicago, Cleveland, Allegheny, Kansas City, St. Louis, Minneapolis, Philadelphia, New Orleans, Cincinnati.



201 DUCKS OUT OF 217 EGGS. A SPLENDID HATCH MADE BY G. M. D. LEGG, OF STERLING, ILL., IN A STANDARD INCUBATOR MADE BY CYPHERS INCUBATOR CO., BUFFALO, N. Y.

the lamp flame very low, and have all the heat I want, and burn less oil than I do in other brooders that have not half as much floor space."

It is to the interest of our readers to get one of the big 260-page catalogues of the

Barred Plymouth Rocks Bred for Beauty and utility stock and eggs; choice matings. Send for circular. WM. P. CLARKSON, 308 Lemoyne St., Syracuse, N. Y. 12-9

Buff Rocks, Exhibition and Utility Stock. My matings are better than ever. Eggs \$1 and \$2 per setting. HARRIS H. SCHANTZ, Richland Center, Pa. 12-9

Dulcos' Buff Rocks—Winners of 38 Ribbons in four shows—Stamford, Conn.; Lenox, Pittsfield, and Boston, Mass. Send for circular telling all about them. B. N. DUCLOS, Lenox, Mass. 12-9

Thompson's Barred Rocks. Cocks \$5, Cockerels, \$5; hens and pullets, \$2 and \$3; eggs, \$3 per 15; \$5 per 30. Fishel's White Rocks. Cockerels \$3 to \$5. Fishel would not duplicate for \$10. Hatched from Fishel's \$10 eggs. Selling cockerels cheap to close out. No females for sale. Eggs—\$3.50 per 15; \$6 per 30. THE MARYLAND POULTRY FARM CO., Incorporated, Annapolis, Md. 12-9

Exhibition Barred Rock Stock Birds for Sale; Eggs \$5 per setting. Free catalogue. Address, MATT W. BALDWIN, Sioux City, Iowa. 12-9

Buff Rocks (Nugget Strain). Eggs from Solid Buffs; male scored 92½ by Hewes; \$2 per 15; trap nests used. L. S. RASMUSEN, Rock Island, Ill. 12-8

Buff Rocks Only—Nugget Strain—Eggs from Select flock headed by males scoring 90½ to 92½, \$1 per 15; \$1.75 per 30; \$4 per 100. Breeding pens score 91 to 94, \$2 per 15. Scored by Chas. McClave. MISS NORA KIGER, Route 5, Marion, Ohio. 12-8

Barred Plymouth Rocks, 2d Hen, 6th Cock, Boston, 1906. Eggs, special matings, \$3 per 15; \$10 per 100. Stock at all times. J. C. MACCOMBER, Reading, Mass. 12-8

White and Barred Plymouth Rock Eggs for hatching from fine stock raised on free range at ELLIS BURKET'S POULTRY FARM, Route 1, Frenchtown, N. J. 12-8

Eggs! Eggs! Eggs! From McCullough's White Plymouth Rocks. Direct from Fishel. No better blood in all America. Six grand pens mated. 1907 mating list now ready. No bluff. Just quality. You know me. Eggs—only \$2 per 15; \$5 per 45; \$10 per 100. Correspondence cheerfully answered. Write to-day. COOLSPRING POULTRY YARDS, Plummer McCullough, Proprietor, Route 2, Box 68-H, Mercer, Pa. 12-9

Hillcrest Farm's Silver-penciled and Partridge Plymouth Rocks; winners at World's Fair, Madison Square Garden, Philadelphia, Washington, Trenton, and Wilkes-Barre. Stock for sale. Eggs \$3 per setting. Mention The Feather for an extra egg. Free catalogue. WM. F. POTTERALL, Oakford, Pa. 12-9

Nopp's Barred Plymouth Rocks Are Alright. 13 eggs, \$1.50, or 26 eggs for \$2.50. Send for free circular. MR. AND MRS. N. F. NOPP, Browns Valley, Minn. 12-10

Tidd's Barred Plymouth Rocks; Bred from Prize winners at Scranton Show. Cockerels and hens for sale. Eggs, \$2 per 13. S. J. TIDD, Taylor, Pa. 13-1

Fishel White Rocks. Cockerels, \$2 to \$5. Extra fine ones, order quick. M. E. CUNNINGHAM, Ada, Ohio. 12-10

White Plymouth Rocks, Fishel Strain. Eggs from large, beautiful, two-year-old hens—\$1; 100, \$5. REV. C. F. VAN SANT, Jay, N. Y. 12-8

Partridge Rocks Exclusively. Eggs \$2 per 15. Satisfaction guaranteed. Infertile eggs replaced free. Express charges collect. REV. C. W. SEELHOFF, Laporte, Mich. 12-10

Barred Rocks; Fine Layers; Strong, Thrifty stock. Fertility guaranteed. Eggs for sale. NATIONAL JUNIOR REPUBLIC, Leslie W. Baker, Supt., Box 16, Annapolis Junction, Md. 12-10

High-class Barred Rocks; from Prize Stock. Eggs, \$2 a setting. THEODORE BOULTON, Morris Ave., Elizabeth, N. J. 12-10

Buff Rocks, Nuggets; Bred for Quality; All Clear buff. Eggs from choice matings, having free, grassy range. Males scoring from 92½ to 94½. And special attention given to orders and packing. Write me for prices. No stock for sale until fall. MRS. HARRY FARNHAM, Vermillion, Ill. 12-10

Exhibition Barred Plymouth Rocks; Line Bred; winners at leading shows for three years. Eggs, \$3, 15; \$5, 30 eggs. JAMES CREAGER, Route 8, Tiffin, Ohio. 12-10

White Plymouth Rocks; Bred for Exhibition and eggs; also prize winning Pekin Ducks. Eggs, \$2 per setting. HENRY SCHMITT, White City, Collinwood, Ohio. 12-10

Eggs! Eggs from Herner's White Rocks and S. C. White Leghorns; were winners for ns at three different shows this season. Only birds of the highest quality are contained in our breeding pens. Eggs—\$1.50 for 15; \$6 for 100. HERNER BROS., Newton Falls, Ohio. 12-10

Bred to Lay Barred Rock Eggs. \$2 per 15. Indian Runner Duck eggs, \$1.25 per 11. MRS. ANDREW BROOKS, Auburn, N. Y., Route 6. 12-10

Eggs, Eggs! From Our Prize-winning, Heavy laying Barred Plymouth Rocks, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-9

Bradley Bros.' Barred Rocks. My Breeders Also Litzitz and Carlisle winners, for sale. \$10 pens, \$7; \$15 pens, \$10; \$20 pens, \$15. A. W. MARBURGER, Denver, Pa. Lock Box 26. 12-12

Barred Rocks, Bradley's and Latham's Strain. My birds won again at the Great Pittsburgh Show, 1907, the silver cup valued at \$50. I raised every one of my winners. Send for my new catalogue. I will sell eggs from now on at greatly reduced prices. You can not afford to miss this chance. Write soon. I will guarantee safe delivery of eggs. HARVEY L. FIKKE, Meyersdale, Pa. 12-10

26 Eggs, \$1; \$3.50 per 100. Thompson's Ringlet strain of pure-bred Barred Plymouth Rocks. Write for circular. FRANK MOORE, Madison, Ind. 12-10

White (Fishel Strain) and Barred Rock Eggs; White, \$1.50; Barred, \$2.50 a setting. Circular free. A few hens for sale. Water Glass, \$1.10 a gallon. One gallon will put away about 100 dozen for winter. H. WIGHTMAN, 2215 Colfax St., Evanston, Ill. 12-8

Great Sale! For the Next Thirty Days I Must sell my 300 breeders to make room for my young stock that is coming on, consisting of B. P. Rocks, Wht. Orpingtons and Wht. Wyandottes. Eggs the rest of season, \$1.50 to \$5 per 15; \$6 per 100. Don't hesitate, write quick if you want something that will do you good. Send for circular. JONAS HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-10

Buff Rocks, Eggs, Half Price After May 1st, from second prize cock, Madison Square, 1907, which is \$2.50 per 15. Also my breeders for sale after May 1st. Bargains. F. H. RICKETTS, Coshocton, Ohio. 12-10

Eggs. Royal Blues, Barred Plymouth Rocks, \$1 per setting; \$3 per 50; \$5 per 100. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-10

Hayner's Exhibition Barred Rocks. If in Need of stock or eggs, write for circular. JONAS HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-9

White Plymouth Rocks—Typical Birds, Great layers. Eggs from pen headed by Henry, winner of first at Central New York Fair, \$2.50 per 15. Eggs from prize winning pens, \$1 and \$2 per 15. FRED R. WHITE, Roseboom, N. Y. 12-9

Eggs, Half Price Balance of Season. Pure Ringlets, direct from Thompson. My Barred Plymouth Rocks are the finest I ever raised. Breeding and Exhibition Birds for sale, both Cockerel and Pullet line bred. Eggs from prize pens, \$1.50 per setting. Your money back if not pleased. Mention The Feather. A. J. CHEEK, Henderson, N. C. 12-8

Silver-penciled Plymouth Rocks. Choice Stock, excellent layers, fine penciling. Large Witten cockerel in breeding pen. Eggs, \$2 per 15. G. H. TUBBESING, Red Wing, Minn. 12-10

### LEGHORNS

Little Leghorn Chicks (Wyckoff Strains), \$2 per doz. Safe arrival guaranteed. Circular free. BISHOP'S FARM, West Cheshire, Conn. 12-9

Greatest Profit Payers. My S. C. White Leghorn flock average 162 eggs per year on 80 cents, cost of feed. Eggs—\$1 per 15; \$5 per 100. White Wyandottes, same price, same quality. G. A. JOYNES, Langdon, D. C. 12-9

Single-combed White Leghorns. Eggs for Hatching and little chicks from fine standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

For Sale.—S. C. White Leghorns, Wyckoff Strain. Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-9

Single-combed White Leghorns (Specialist)—I have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. SAMUEL S. BLIEM, R. D. No. 5, Pottstown, Pa. 12-10

Single-combed Buff Leghorns (Wickoff Strain) Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Cahill St., Lynchburg, Va. 12-10

Exhibition Single-combed Brown Leghorns, Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bond Brook, N. J. 13-4

Blue Ridge Poultry Yards. S. C. White Leghorns exclusively. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1.60 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9



Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

R. C. White Leghorns, Eggs, \$150 per 15. \$2.50 per 30, \$5 per 100. No stock for sale until fall. R. W. PRICE, Troy, Pa. 12-10

Rose-combed Buff Leghorns.—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Rose-combed White Leghorns Exclusively. Eggs from best pens, 15 \$1.50; 50 \$3.50; from utility stock, 100 \$4; satisfaction guaranteed. R. H. DAVIS, Unionport, Ohio. 12-8

20 Single-combed Brown Leghorn Eggs, \$1; \$4.50 per 100; farm range; 10 hens, 1 cockerel, \$12; 10 other varieties at reasonable prices. M. D. DETWEILER, Box F, Sellersville, Pa. 12-8

White, Brown, and Buff Leghorn Eggs, 15 \$1; 100 \$4. Buff and Partridge Wyandottes, 15 \$1; 100 \$6. INN LAWN POULTRY YARDS, Joe Clem, Prop., Luray, Va. 12-8

Leghorns—S. C. White, Buff, Brown. Winners at Frederick and Dallastown, in strong competition; excellent layers; stock second to none in quality. Write for prices on eggs. CHAS. BOSTION, New Midway, Md. 12-8

Mrs. C. W. Harrington, Harford Mills, N. Y.—S. C. Buff Leghorns exclusively. Winners of club cup and 3 special club ribbons in 1904; winners of blue ribbons at State Fair, Dryden, and Wilkes-Barre, Pa., in 1906. Eggs, \$2 per 15; incubator eggs; stock for sale. 12-8

Standard and Utility Bred White and Buff Leghorns. Eggs, \$1.50 per setting; \$5 per 100. MARYLAND POULTRY & EGG FARM, Laurel, Md., Karl L. Heumann, Mgr. 12-8

My Pedigreed S. C. W. Leghorns Won Every 1st in class at Oelwein, Ia., Poultry Show, Jan. 28-31. Score to 95; pen, 186 4-16; Russell, judge. Eggs for hatching, exhibition matings, \$2.50 per 15; straight utility matings, pure bred, selected layers, \$1 per 13; \$2 per 30; \$4.25 per 100. One cock bird, score 89, \$3.50; fine condition. ORCHARD HILL POULTRY FARM, W. A. Bright, Prop., Randallia, Ia. 12-8

Single-combed White Leghorns. We Breed Our own winners. Two firsts on two entries at Schenectady, 1907. Others winners. Eggs, from best matings, \$1.50 per 15; \$7 per 100. Infertiles replaced free. Circular. MAPLE HILL FARM, Route 3, Fort Plain, N. Y. 12-8

McElheney's Single-combed White Leghorns and Single-combed Rhode Island Reds and prize winners and egg machines. Eggs, from prize matings, \$2 per 15; \$3.50 per 30; \$5 per 50; \$8 per 100; utility stock, \$5 per 100. MCELHENEY'S POULTRY FARM, Box E, Cuba, N. Y. 12-8

Single-combed White Leghorns—Knopp Strain—From prize winners; stock for sale; eggs, 15 \$1; 100 \$5; satisfaction guaranteed. MRS. R. E. LILLY, Angelica, N. Y. 12-8

Rose-combed Buff Leghorns Exclusively (Layers and winners). Our breeders are carefully selected and mated. Eggs, \$1.50 per 15. POOL BROS., Fallston, N. C. 12-8

Rose-combed Brown Leghorns—Prize Winners, bred 17 years exclusively; size, quality, beautiful, unequalled layers; 15 eggs, \$1; 45, \$2.50. W. C. RUMMEL, Columbiana, Ohio. 12-8

C. H. Wilcox, Worcester, N. Y. My Buff Leghorns at Boston, two entries, won 2d cockerel, 2d hen; Johnston, 1st and 2d cockerels; stock and eggs. 12-8

Single-combed Brown Leghorns Exclusively—Bred to lay; fertility guaranteed; prompt shipments. Eggs, 15 \$1; 30 \$1.50; \$4 per 100; reference; Adams Express Company. Circular. MELVIN HILLS POULTRY FARM, Newington, Fairfax County, Va. 12-8

S. C. White Leghorns. Hundreds of Select, high scoring, heavy laying birds. Wyckoff strain, in free range colony-houses. Eggs, 15 for \$1; 50 for \$2.50; 100 for \$4. Circular. CLOVERNOOK FRUIT FARM, Chambersburg, Pa. 12-8

Rose-combed Brown Leghorns Exclusively. Eggs, \$1 for 15; \$4 per 100. MARY E. ROBERTS, R. No. 2, Box 21, Nottingham, Pa. 12-8

S. C. B. Leghorns (Forsythe Strain). Barred Rocks—Park strain. Eggs, \$1.50 per setting; \$5 per 100. CHAS. C. WINE, Route 1, Mt. Sidney, Va. 12-8

Arnold's Strain Buff Leghorns—Eggs, \$2 per 15. Kulp's strain. Rose-combed Brown and Single-combed White Leghorns. Eggs, \$1 per 15; \$5 per 100. C. C. KIMMEL, Dillsburg, Pa. 12-8

Schilling's S. C. Buff Leghorns Won at Madison Square, 5 ribbons on 5 entries, including shape special on female. Eggs, \$3 for 13; two settings \$5. B. O. SCHILLING, 443 Central Park, Rochester, N. Y. 12-8

Schleeder's S. C. White Leghorns. Breeding Pens score from 94 3-4 to 96 1-4; winners in hottest competition; eggs gathered three times each day. ANN ARBOR POULTRY YARDS, Ann Arbor, Mich. 12-8

Rose-combed Buff Leghorns, Solid Buff Matings, eggs, \$1.50 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa. 12-9

Single-combed Buff Leghorns—Grand Color and shape; good layers; stock for sale; 15 eggs, \$1. M. M. BRASS, Niagara Falls, N. Y. 12-8

Single-combed White Leghorn Eggs from Winter layers, selected from trap nest. Write for circular. J. SMITH, Lovett, Ind. 12-8

Listen! D. L. Schrock, Archbold, Ohio, has Rose-combed Brown Leghorns and White Plymouth Rocks, noted strains; eggs, \$1 per 15; also Duroc Jersey swine. 12-8

S. C. White Leghorn Eggs from Choice Matings a specialty for hatching at farmers' prices, 75 cents for 15. R. L. SEITZ, R. 2, Glen Rock, Pa. 12-8

Eggs from Exhibition Stock, S. C. White Leghorns, headed by cock that won first wherever exhibited in fall of 1906. S. C. Black Minorcas, yard headed with 9-lb. cockerel direct from Northup; mating list free. CHARLES E. SHRINER, Taneytown, Md. 12-8

Rose-combed Buff Leghorns; Great Layers; Large birds, good combs, rich golden buff color. 15 eggs, \$1.50. LEONARD A. WALTHAM, Route 44, New Albany, Pa. 12-8

Rose-Combed Brown Leghorn Eggs, Cockerels, hens and pullets. Exclusively Kulp's strain of great layers. Write for prices. Sand Hill Poultry Farm, MRS. THOS. COLE, Piercetown, Kosciusko Co., Ind. 12-8

Single-combed Buff Leghorn Eggs for Hatching, 45 for \$2.50; also egg boxes and baskets at low prices. HILLSIDE POULTRY FARM, Cortland, N. Y. 12-8

Single-combed Brown Leghorn Eggs for Hatching, also for incubators, from fine, pure-bred show birds. Satisfaction guaranteed. Write for circular. C. JACKSON, Buchtel, Ohio. 12-8

Little Chicks from Heavy-laying, Prize-winning, farm-raised, Rose-combed Brown Leghorns, 10 cents each (Kulp). Nothing less than twenty-five. Eggs: \$1 per 15; \$5 per hundred. LEON L. HOUGH, Box A, Canisteo, N.Y. 12-8

Beauty and Utility. Standard Buff and White Leghorns and White Wyandottes, containing blood of best strains. Eggs, \$1.25 per 15. WALL POULTRY CO., Savona, N. Y. 12-8

Eggs from "Sheldon's Famous" Rose-combed White Leghorns, \$1 per 15; \$5 per 100. MAPLE GROVE POULTRY YARDS, C. M. Sheldon, Prop., Ira, N. Y. 12-8

Rose-combed White Leghorns; Winners at Nebraska State Show, 1907. Special prices on cockerels. Eggs in season. Write me for mating list and prices. EVERGREEN FARM, O. O. White, Prop., Route No. 2, Clay Center, Nebr. 12-9

Lynd's Single-combed Brown Leghorns. Eggs from prize winning matings at \$2 per 15. Winners at Albany, Schenectady, and Cambridge. ALBERT LYND, Nassau, N. Y. 12-8

Frank I. Bennett Poultry Yards. Single-combed Buff, White, Black, Pyle, and Silver Duck-wing; Rose-combed Buff, Brown, Pyle, and Silver Duckwing Leghorns. Eggs, \$1.50 to \$5 per 15. Write for circular. FRANK I. BENNETT, Mgr., Point Pleasant, N. J. 12-8

Single-combed White Leghorns, Show Birds, Stay-white kind. Stock cheap. Eggs in season. Satisfaction guaranteed or money refunded. Write wants. FRED BAER, Kutztown, Pa. 12-8

White House Poultry Farm Has 500 S. C. White Leghorns. If you want any stock or eggs, write to-day. G. F. CUSTIS, Prop., R. No. 9, Findlay, Ohio. 12-8

Rose-combed Buff Leghorns; Winners at Four shows of 18 firsts, scoring to 92 1-4. Send for circular. Cockerels cheap. PAUL G. PITT, Watertown, S. D. 12-8

Black Leghorns, Rose and Single-combed, Exhibited at Trenton State Fair and Madison Square Garden, N. Y. Write for booklet of information. EDWIN SITGREAVES, Phillipsburg, N. J. 12-8

Eggs from Single Buff Leghorns—A-No. 1 Stock, solid Buff—\$1 for 15. Stock for sale. Reasonable. C. E. WILCOX, Cortland, N. Y. 12-8

S. C. White Leghorns. Winners at Rochester, Syracuse, Utica, Frankfort, Schenectady, and Albany. Eggs from special matings, \$2 per 15; \$3 per 30; incubator eggs, \$6 per 100. G. S. MOORE, Box 107, Trenton Falls, N. Y. 12-9

S. C. White Leghorns. Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2. W. J. BLAKE, Burnside, Conn. 12-11

S. C. Buff Leghorns. The Real Thing, None Better. Eggs, \$1 per 15. G. L. FERGUSON, Annot, Pa. 12-8



RHODE ISLAND RED COCK, BRED BY MR. GEORGE H. HOLLIS

The red hen is becoming more popular every day. The Rose-combed Rhode Island Reds are one of the most popular of the red hen varieties. Mr. George H. Hollis, 3 E. Ninth Street, Wilmington, Del., has been a successful exhibitor of the Rose-combed Rhode Island Reds during the past season. We have been favored by him with a half-tone print of one of his Rhode Island Red male birds, which we publish above for the benefit of our readers. Mr. Hollis has just issued a new catalogue which tells all about his favorite stock.

We received a communication a short time ago from which we quote as follows: "I have been breeding Black Minorcas, single and rose-combed, for a number of years. All of my stock came from Mr. Northup, of Raceville, N. Y. Each season as the result of care in selecting and feeding I have been able to increase the size of both varieties. Why should any one strive to reduce the standard weight?" Mr. Northup has certainly produced a wonderful lot of Minorcas of both varieties in the past. He informs us that his pens from which he will sell eggs this season are beyond anything that he ever expected to have. His mating list circular is ready for distribution. Black Minorcas have become so popular throughout the country as the producers of those large-sized eggs having the white shell, that many of our readers will be anxious to have Mr. Northup's new circular, which he will send for the asking.

Mr. Geo. H. Northup, the present secretary-treasurer of the American Black Minorca Club, reports to us a most enthusiastic meeting of the club during the Boston poultry show. Mr. Frank McGrann, of Lancaster, Pa., was elected president, Mr. Hildorfer, vice-president. Mr. Northup says the club will offer many more ribbons and cups next year than ever before. He would like to hear from all who may be interested in this.

"I think The Feather one of the best poultry magazines I have seen."—J. H. Lawrence.

We have a report of the meeting of the Partridge Wyandotte Club held at Boston. Mr. H. R. Hildreth, Worcester, Mass., was elected secretary, Mr. M. H. Coffin, Whitinsville, Mass., president. The secretary of the association will be glad to furnish full information to all who are interested in Partridge Wyandottes.

A National Rose-combed Rhode Island Red Club has been organized, of which John E. Davis, of Marblehead, Mass., is the secretary. This, as well as the Single-combed Rhode Island Red Club, is sending out printed matter of interest to all. They are doing a good work for poultry culture.

Mr. James B. White, Ft. Wayne, Ind., is becoming quite a factor in breeding Orpingtons. He is building a beautiful plant, and expects to have the finest lot of Orpingtons possible to collect. Mr. White may be classed among the fanciers who are always determined to have the best in their line and who intend to gain success by serving their customers well.

Grit is the hen's teeth, the crop the receptacle for food, and the gizzard the mill which grinds the food for assimilation. The food, the grit and the water go into the crop together. From there they pass through into the gizzard, where, with the continuous motion of the muscles of the gizzard, the food and the grit are rubbed continually together until the food is ground into a paste and passed through the gizzard throughout the entire system, distributing and disseminating for the manufacture of bone, blood, and muscle. The Lopez Grit Co., of Wilkes-Barre, Pa., is manufacturing a quality of grit that is worthy of the attention of our readers. Write them for full information.





Mr. H. R. Dailey, Mapleling Poultry Yards, Pulaski, N. Y., reports to us his long list of winnings within the last year. There are entirely too many for us to publish in our columns. We request each reader anxious to have fine quality Leghorns to send direct to Mr. Dailey for his catalogue, which has just been issued.

We have just received from Mr. E. W. Staebler, secretary, 2449 Tremont Street, S. W., Cleveland, Ohio, a copy of the beautifully illustrated catalogue of the American Single-combed Brown Leghorn Club. Mr. Staebler will be pleased to forward a copy of this to any interested in same.

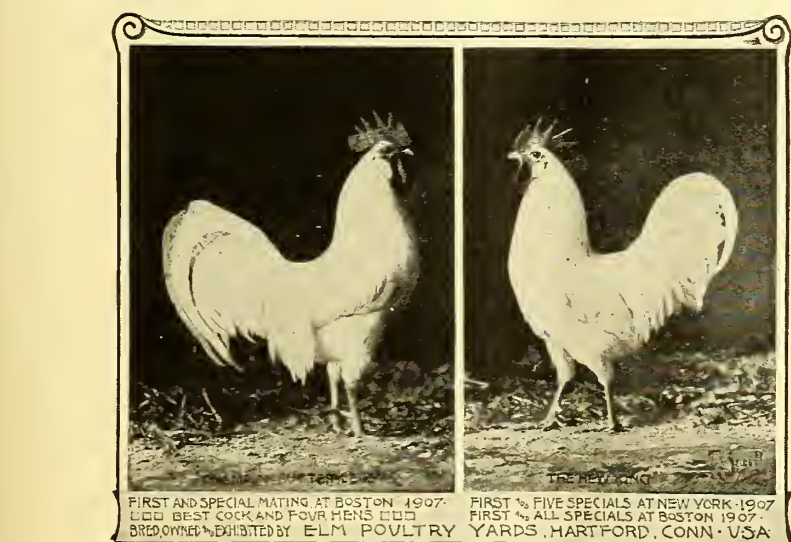
Mr. James B. N. Fitch, of Mt. Vernon, N. Y., has purchased the entire flock of Black Cochins bantams formerly owned by Mr. Raymond J. Ruliffson, of Rochester, N. Y. Mr. Fitch is a careful breeder of this kind of stock, and the new purchase should be a valuable addition to his yards.

The Queen City of the Great Lakes is to have a poultry show. The fanciers of Buffalo have a permanent organization for the purpose of holding a show at Buffalo in Convention Hall next winter. Dr. G. L. Leitz has been selected as president, and G. J. Fellner, secretary.

When at Auburn, N. Y., we saw the Plymouth Rocks and Indian Runner ducks belonging to Mrs. Andrew Brooks of that city. This stock is advertised in our classified columns, and is worthy of consideration.

## Catalogues and Circulars Received

H. P. Mason, Fayette, Mo., Circular.  
St. Andrew Poultry Yards, Elizabeth, N. J., Circular.  
Rowland G. Buffington, Somerset, Mass., Circular.  
American Plymouth Rock Club, Circular.  
Spring Garden Poultry Yards, York, Pa., Circular.  
White Birch Poultry Farm, Bridgewater, Mass., Catalogue.  
The Oaks Poultry Farm, Sikeston, Mo., Circular.  
Wm. D. Seidel, Washingtonville, Pa., Circular and Mating List.



J. E. Willmarth, Amityville, N. Y., Circular and Mating List.  
Chas. D. Cleveland, West Orange, N. J., Catalogue.  
DeGraff Poultry Farm, Amsterdam, N. Y., Catalogue.  
W. W. Kulp, Pottstown, Pa., Catalogue.  
W. A. Congdon, Waterman, Ill., Circular.  
M. A. Parsons, Wichita, Kans., Circular.  
Chas. L. Seely, Afton, N. Y., Circular.  
Mrs. M. B. Williams, Salisbury, Mo., Circular.  
F. J. Fuller & Co., Waterport, N. Y., Circular.  
Cortland Incubator & Mfg. Co., Cortland, N. Y., Catalogue.  
Virginia Experiment Station, Blacksburg, Va., Report.  
Utah Experiment Station, Reports and Bulletin No. 98.

## Martin's Wyandottes

When at Boston we had the pleasure of making the acquaintance of Mr. John S. Martin, of Port Dover, Canada. Mr. Martin is well known throughout the United States and Canada as a breeder of beautiful White Wyandottes. At the leading Canadian shows, New York State Fair, and at Boston this winter, he has been successful in the winnings. In



addition to being an expert in handling White Wyandottes Mr. Martin won the hearts of all present at Boston at the banquet by his wonderful performances upon the piano. We have seen Mr. Martin's Wyandottes, have talked with him about his methods of handling them, and we believe that he will do just as he promises in dealing with his trade. The illustration that we make use of in our pages was made recently from one of the winners now in Mr. Martin's flock.

## A New Kind of Bantam

Mr. John R. Jones has originated something new in bantams, calling them the Rose-combed Rhode Island Red Bantams. These are said to be a perfect miniature



of the standard variety of this same fowl. Mr. Jones is very anxious for all the bantam fanciers of the United States and Canada to know of these, and expresses a willingness to distribute them among the bantam fanciers through the sale of eggs.

"Accept many congratulations upon the improvement of The Feather. The paper, plates, and articles can scarcely be improved."—S. N. Wye.

McConnell's Single-combed Buff Leghorns Wins at Salem, Unlontown, and New Castle; a few good cockerels and eggs for hatching. S. F. McCONNELL, Beaver, Pa. 12-8

Maple Grove Poultry Farm—Single-combed Brown Leghorns, winners at Boston, Washington, Rochester, Erie. Have catalogue, tells all. L. O. BROMLEY, Silver Creek, N. Y. 12-8

Single-combed White Leghorns Exclusively. Stock and eggs for sale. Large size; persistent layers; bred for vigor, vitality, laying qualities. OVER BROOK POULTRY FARM, H. T. Stickney, Jay N. Y. 12-8

\$1 Buys 17 S. W. White Leghorn Eggs from prize winning 200-egg strain heus. BLUFF LODGE POULTRY YARDS, Washington, Mo. 12-8

Breeder of Single-combed Buff Leghorns Exclusively for 7 years. Arnold strain. Eggs—\$1 per 15; \$1.75 per 30; \$3 per 100. Stock in season. MRS. J. FRANK CARNAHAN, R. 3, Adrian, Mich. 12-9

Black Leghorns; Osborne's Strain Direct. Send for winnings Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. BROCKVILLE POULTRY YARDS, Brockville, Ont., Canada. 13-6

S. C. W. Leghorn Eggs, \$1.50 per 15; from Standard bred hens and 7-lb cockerels. My strain are pure white and lay extra large eggs. JOS. M. ROBINSON, Saugerties, N. Y. 12-9

3,000 S. C. White Leghorns, Standard Birds. Large, and bred for heavy egg production. Eggs for hatching from yearling hens, only \$2 per 15; \$8 per 100. BELLE HILL WHITE LEGHORN RANGE, Elkton, Md. 12-9

Rose-combed Leghorns. Cockerels Fine, Large, vigorous birds. Right shape and right color. Also R. C. Buff Orpingtons. Don't fail to get my prices. Eggs in season. Orders booked now. D. N. KLOPFENSTEIN, Grabbill, Ind. 12-9

Brainard's High-scoring S. C. W. Leghorns. Bred for eggs and standard requirements. Eggs, 15, \$2; 30, \$3; 100, \$6. If you mean business, request convincing photographs. Stock all sold. MRS. C. E. BRAINARD, R. No. 4, Quincy, Mich. 12-9

Rose-combed Brown Leghorns, 4 First, 5 Entries. Eggs, \$1 and \$2 per 15. A few cockerels left. W. H. CROOKS, Judson, Ind. Route No. 1. 12-9

Blue Ribbon Winners at Harrisburg and Richmond. Brown and Buff Leghorns, White Rocks. Eggs, \$1 setting. Circular free. J. N. COFFMAN, Edinburg, Va. 12-9

Single-combed White Leghorns, Blanchard Strain. White Plymouth Rocks, Fishel strain. SHAW FARM POULTRY YARDS, L. G. Gillespie, proprietor. R. F. D. No. 1, Rouseville, Pa. 12-9

Rose-combed Brown Leghorns Exclusively. Eleven years America's heaviest egg producers. Special finest cockerels, hens; rock bottom prices. Hatching eggs, 15, \$1; 100, \$4. WILLIAM SCHLUER, Jamesport, N. Y. 12-9

R. C. Buff Leghorns Exclusively; Eggs from winners at Rochester and Auburn, \$2; pen No. 2, \$1.50. H. S. LENT, Holley, N. Y. 12-9

S. C. Brown Leghorns. I won 4 Firsts in Strong competition at San Prairie, Wis., Jan. 23, 1907. Eggs from prize winners, \$2 per 15; \$3.50 per 30 Satisfaction guaranteed. M. I. MICHAELSEN, R. 2, Mt. Horeb, Wis. 12-9

Wyckoff's Laying Strain Single-combed White Leghorns; 13 eggs, \$1. Ang-Dec. cockerels for sale at \$1. SANDY KNOLL POULTRY YARDS, Evendale, Pa. Box 43. 12-9

Rose-combed Brown Leghorns. Grand Layers. Eggs, \$1 per setting. Pit Games, \$1.50; handsome cherry red colors, line-bred. Address, S. H. EVERETT, Stockton, N. J. 12-9

Single-combed White Leghorns (Wyckoff). Vigor, business, beauty, unexcelled. 15 eggs, \$1; 100, \$5. Special mating, 15 eggs, \$1.50. E. E. BUSH, Rogersford, Pa. 12-9

Rose-combed Brown Leghorns. Eggs for Hatching, from good matings, \$1 per 15; \$4 per 100. Heavy layers. Good size. FLOYD DADISMAN, Independence, W. Va. 12-9

Rose-combed Buff Leghorns. Pure Gold Strain. Three firsts, Delavan, 1906. Eggs, yard 1, \$2 per 15; yard 2, 3, and 4, \$6 per 100. O. E. DAVIS, Walworth, Wis. Box D. C. 141 12-9

Single-combed Brown Leghorn Eggs for Hatching. From the best of stock. Write for mating list and show record. CHAS. O. MIERS, 609 S. Main St., Bangor, Pa. 12-9

Rose-combed White Leghorns Exclusively. Fine, large thoroughbred birds. Large eggs and plenty of them. 15 eggs, \$1; 100, \$5. ELLA WALTMAN, New Albany, Pa. 12-9

Rose-combed White and Rose-combed Brown Leghorns. Eggs from fine matings, 15, \$1.50; 39, \$3; 100, \$7. J. W. COOK, Route 7, Bluffton, Ind. 12-9

S. C. Brown Leghorn Eggs, \$1 for 15 (Kulps strain) From Coblekill. First prize winners. Houdans, cockerels for sale, \$1 each. Correspondence solicited. LESLIE D. SMITH, Charlestown, N. Y. 12-9

Again at New York and Boston My Birds Show their superiority, winning for Elm Poultry Yards at New York 17 ribbons on 12 entries, including 1st White Wyandotte Pullet, Champion White Wyandotte female, and gold special for best Wyandotte in exhibit, any variety; also specials for shape and color. My White Leghorn cockerel was pronounced the best Leghorn ever shown, winning special for best Leghorn, any variety, in exhibit. Then at Boston, two weeks later, with single entries in each class, "Butterlegs," one of my four special cockerel mating pen headers, won first cock, defeating there the first prize cock at New York, two weeks previous. I also won first cockerel and first pen, \$20, color special on White Wyandottes. On White Rocks, have won champion male twice at Boston, and they are of high order, as are also my Minorcas, Barred Rocks, Brown Leghorns, Rhode Island Reds, Orpingtons, and Brahmas. Eggs, special exhibition matings, \$10, 12. Regular exhibition matings, \$5, 12; \$10, 36; \$20, 100; or laying matings (thoroughbred), \$2, 12; \$3, 100; or little chicks, \$15, 100. Catalogue free. ELM POULTRY YARDS, Box 31, Hartford, Conn. Established 1888. 12-8

Kugler's Buff Leghorns. For Buffs That Are Buff look up my ad on back cover. Eggs for hatching. Send for mating list. JAS. KUGLER, Jr., Freuchtown, N. J. 12-9

Eggs for Hatching—White Leghorn and White Wyandotte; fine egg laying strain—eggs \$2 per fifteen; \$5 per fifty. A. CAMPBELL HERRICK, Washingtonville, N. Y. 12-9

S. C. W. Leghorns. 100 Pullets for Sale. Eggs for Hatching—15 for \$1.50; 100 for \$6. D. old chicks, \$15 for 100. Address C. B. KROGMANN, Jr., 2062 Fourth St. N. E., Washington, D. C. 12-9

Single-combed White Leghorns; Prize Winners at Olean, Bradford, Sharon, Erie, and Rochester, N. Y. Breeder 20 years. Egg bargain. Circular free. W. GRAY, Warren, Pa. 12-9

Single-combed White Leghorns. Many Years a breeder and exhibitor; winning my share. Eggs, \$1 per 13; \$5 per 100; J. A. SHINEMAN, Canajoharie, N. Y. 12-9

Rose-combed White Leghorns—Kulp-Stafford Strain—premier layers. Large white eggs for hatching from free range stock. JOS. F. R. BONIFACE, Morristown, N. J. 12-9

Single-combed Brown Leghorns Exclusively. Send for my 18 years' show record and convince yourself that I have won more prizes than any other breeder in the West. Eggs, \$1.50 and \$2 per 15. C. F. LANG, La Crosse, Wis. 12-9

S. C. White Leghorns—E. G. Wyckoff Strain—Eggs—\$1 per 15; \$5 per 100. Little chicks, 10 cents. Stock for sale. Honorable treatment. Circular. LOCUST POULTRY FARM, Cauton, Pa. 12-9

S. C. Buff Leghorns, Solid Buff Color; Good Size; prize winners; stock for sale; \$1.50 for 15 eggs. GEO. Z. FOLAND, Philmont, N. Y. 12-8

S. C. B. Leghorns. We Own To-day Some of the largest in the world. A. N. MURPHY, Box 190, Cooperstown, Otsego Co., N. Y. 12-8

Prize-winning Single-combed White Leghorns, scoring above 93%. Eggs, \$1.50 per 15. Barred Rocks, 75 cents per 15. N. A. DOMBART, M.D., Evans City, Pa. 12-10

Bell's Black Leghorns (Pure Yellow Legs). They are the coming fowl for eggs. Prize winners wherever exhibited. My customers having won at Madison Square Garden last two years. Eggs for hatching. W. G. BELL, Henvelton, N. Y. 12-10

Single-combed White Leghorns. Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punxsutawney, Pa. 12-10

75 Cents for 13 S. C. Brown Leghorn Eggs. The kind that lay in winter. Also S. C. Buff Orpington. MARIE LITTLEJOHN, Keutland, Ind. 12-10

Single-combed White and Brown Leghorns. Hardy eggs from 2-year-old hens, 15, \$1; 25, \$1.50; 100, \$4.50. REV. C. F. VAN SANT, Jay, N. Y. 12-8

Thoroughbred Single-combed Brown Leghorns, White Wyandottes. Eggs for hatching, \$1 for 15. Satisfaction guaranteed. J. W. BRADLEY, Fountain City, Route 3, Tenn. 12-10

R. C. Brown Leghorns; 242 Egg Strain; Direct from Kulp's Yards. Limited number of settings at \$1 per 15. WM. L. HOWELL, Box S, Geneseo, N. Y. 12-9

Our 244 Egg Strain. Single-combed White Leghorns. From selected stock. Fifteen eggs for 75 cents. SOUTHERN POULTRY FARM, R. No. 1, Woodleaf, N. C. 12-8

Stoddard's Rose-combed Brown Leghorns are Bred to lay. When you buy, get the best. Eggs, \$2 per setting. ALBERT F. STODDARD, Elkland, Pa. 12-8

30 Eggs, \$1.75. Rose-combed Brown Leghorns, Kulp and Tabor strains; owner of 237 egg hen, dam 1st pullet, Springfield, Mass., Dec., 1906. WM. H. ROBERTSON, Halls Corners, N. Y. 12-10



S. C. Whites Leghorns Exclusively. Eggs, \$2 per 15. Fifty one and two year-old breeders after June 1st. Write for record. HOWARD POULTRY YARDS, Ft. Wayne, Ind. 12-10

Rose-combed Brown Leghorn Eggs for Setting; 13 for \$1, or \$7 a hundred. Also a great Leghorn cock for sale. This is as good a pen of birds as owned in state, and will breed winners. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 12-10

Leghorns—Single-combed Whites, Brown, Buff, and Rose-combed White, and Brown. Eggs, 15, \$1; 100, \$5. MRS. S. RIDER, Maryland, Otsego Co., N. Y. 12-8

Prize-winning Single-combed White Leghorns and Silver-spangled Hamburgs. Eggs, \$1.50 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

Young Chicks, \$10 Hundred; June, \$8. Full instructions for successful raising. Safe arrival guaranteed. Choice hatching eggs, 15, \$1; 100, \$4; June, \$3. Pure strains, Blanchard and Wyckoff, Single-combed, White Leghorns, exclusively. Circulars. C. N. REYNOLDS, Canton, Pa. 12-8

Leghorns, Single-combed, Buff and White; Black Minorcas are bred to win and lay; 15 eggs, \$1. Orders duplicated, half price thirteen eggs not fertile. MERVIN WINTRODE, Littlestown, Pa. 12-8

## WYANDOTTES

White Wyandottes. You Want the Best Write me; have been breeding and exhibiting twenty years; eggs, \$1.50 and \$3 per 15. W. H. SHUTE, Middletown, Conn. 12-8

White Wyandottes Exclusively. Farm Range, grand breeding stock, white blocky beauties. Winners wherever shown. Eggs, from these matings, guaranteed, 15 for \$1. J. W. PAGE, North East, Pa. 12-8

Columbian Wyandottes Settings Half Price After May 20th. Choice birds from our breeding pens at bargain! H. H. & E. M. COBURN, Cohnerville, Memphis, Mich. 12-10

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-10

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-10

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 12-10

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 12-8

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 12-12

Golden Wyandottes, Kells and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

Buff Wyandottes.—Silver Cup Winners. Plenty of ribbons at Sanatoga, Reading and Blandon, Pa., Shows. Stock for sale. Eggs \$1 per setting. H. F. YARNALL, Pottstown, Pa. 12-8

Golden Wyandottes—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 12-4

Partridge and White Wyandottes, White Plymouth Rocks, Doolittle, Dnston, and Fishel Straine direct. Secret of telling laying hens with every order of stock or eggs. BYERS BROS, Mercer, Pa. 12-10

Whites of Stay White Wyandottes. Great Egg producers. Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. 12-10

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 15. H. F. CHASE, Andover, Mass. 12-4

Golden Wyandottes Only. Keller Strain. Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. W. S. BUSS, Catasauqua, Pa. 12-10

Plain View Stock and Poultry Farm Is Offering for sale some extra good White Wyandotte cockerels for \$1 and \$1.50 each. Eggs, \$4 per 100. Write me your wants and receive my catalogue free. O. J. AUSTIN, Pana, Ill. 12-8

Partridge Wyandotte Eggs from My Prize Winners, \$3 per 15; Rose-combed Buff Leghorns, \$2 per 15. Circular free. L. S. ELDRED, Himrod, N. Y. 12-8

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 12-5

Whites Wyandottes Only That Are Pure White and stay white. Best pen, \$3 for 15, or \$5 for 30. (I guarantee satisfaction.) Will give you what you are willing to pay for. Pen No. 2, \$1, 13 eggs. My fowls are prize winners and layers, and money can not buy any better. WAKEFIELD KENNELS, Wakefield, R. I. 12-8

Partridge Wyandottes. Handsomest Variety by all odds. Good layers. Large, blocky birds. Eggs for hatching, \$2 per 15. All extra stock sold. E. H. PROTHERO, Du Bois, Pa. 12-8

White Wyandottes; "Dustons." Eggs, Guaranteed fertile, \$1.50 per setting; \$6 per 100. Single-combed White Leghorn eggs, \$5 per 100. SUNNYBROOK FARM, Branchville, Conn. 12-8

White Wyandottes That Speak for Themselves; won 13 ribbons and 3 club specials in 17 entries. MRS. LAURA KUNKLE, Kunkle, Ohio. 12-8

Won More Prizes on White Wyandottes at Rochester than any competitor. Nineteen prizes on Silvers at N. Y. State Fair, Waterloo, Anshurn, and Rochester. 15 eggs, \$2; either variety. LEROY W. SEIGFRIED, Waterloo, N. Y. 12-8

Columbian Wyandottes; None Better; First Prize at Salamanca Show. Eggs from prize winning pen, \$3; utility, \$2 setting. MAPLE GROVE POULTRY YARDS, Machias Junction, N. Y. 12-8

Partridge Wyandottes; Winners at Ravensna and Cleveland. Stock and eggs from prize winners for sale. W. B. NICHOLS, "The Partridge Wyandotte Man," Ravenna, Ohio. 12-8

McIntyre Whites Wyandottes, Sheboygan, Wis. Whitest bird at Marinette, Sheboygan, Oshkosh, 1st young and old males, Milwaukee, Manitowac, Marinette; same week, different birds. Eggs, \$2. 12-8

Columbian and White Wyandottes; Blue Ribbon egg strain; winners at Philadelphia Show. Eggs, \$1.50 per 15; \$4 per 50. DEPTFORD POULTRY FARM, Sewell, N. J. 12-8

White Wyandottes Exclusively. Eggs, Choice matings, \$1 per setting; \$5 per 100. REGAL POULTRY YARDS, Marietta, Ohio. 12-8

Silver Penciled Wyandottes; Winners at Brockton, Lynn, and Springfield. Stock and eggs for sale. Eggs, \$2 per 15. J. F. HOWLAND, Taunton, Mass. 12-8

Partridge Wyandottes a Specialty. Winners 23 prizes—Malone, Johnstown, and Anshurn, N. Y., and St. Albans, Vt. Eggs, \$3. Circular. C. P. RICHEY, Malone, N. Y. 12-8

Eggs for Hatching from Snow White Wyandottes, \$1 for 15; incubator eggs, \$5 per 100. Stock for sale. W. H. CLEMENS, Saginaw, Pa. 12-8

White Wyandottes Exclusively. Stay-white Stock for sale. \$2 for 13 eggs; 3 settings for \$5. Write for wants. ABRAHAM SCHANNAUER, Box 77, Wernersville, Pa. 12-8

Columbian Wyandottes. Eggs in Season, \$3 and \$5 per 15 from my prize winners of the great Central Show at Carlisle, Pa. H. C. CART, Carlisle, Pa. 12-8

Silver-penciled Wyandottes; Winners at Providence, Boston, Brockton, Lynn; large fine penciled birds; also a few settings. Columbians. Eggs, \$2. J. E. MORSE, Taunton, Mass. 12-8

Partridge Wyandottes! Look Up My Madison Square Garden and Boston show records. Eggs, special matings, \$5 per 15; \$10 per 100. J. C. MACOMBER, Reading, Mass. 12-8

White Wyandottes—The Kind That Pay. Eggs, \$1 per setting. WOODLAWN FARM, M. L. Ansley, Clarks Summit, Pa. 12-8

Partridge Wyandottes Exclusively. Young and old birds a specialty. Choice pen, \$10; trio, \$6; cockerel and cock, \$3; or 3 for \$6. Eggs, \$3 for 15. EUGENE JOHNSON, Maywood, Mo. 12-8

Premier Strain White Wyandottes. Won Every first and second prize in every class, Cleveland Show, 1907. Whiteness, strength and vigor. DR. W. H. HUMISTON, Cleveland, Ohio. 12-8

Madison Square Garden Winners.—Our Record last year: Madison Square Garden, 1st pen, 2d cock, 5th cockerel. Boston, 1st cock, 3d hen, 3d and 6th cockerel, 4th and 6th pullet. Great Eastern Poultry Show, New York City, 1st and 3d cock, 1st 2d and 3d hen, 3d cockerel, 3d, 4th, and 5th pullet, 1st pen. Special for best display. This is the record that speaks for itself, and was made last fall and winter. Young and old birds for sale that will win. HORACE HAVEMEYER, Stamford, Conn. (Breeder White Wyandottes). 12-8

In Competition with "The Best in the World" at Scranton we won every first in open class. Mayor's \$100 cup for best silver Wyandotte in show, cash special for best male and female; 66 competing. SAMSON & ALDEN, Forest City, Pa. 12-8

Eggs from Empire Strain White Wyandottes Are sure to produce results. Our stock is snow white, and has size and vigor. Eggs from best pens, \$2 per 13; \$8 per 100. 75 per cent. fertility guaranteed. HILLSIDE POULTRY YARDS, Herbert B. Rowedder, Propr., Jamaica, N. Y. 12-8

Columbia Wyandottes. Won 1st Cockerel, 1st and 2d pullet at Findlay Show. Eggs for sale. Write B. F. BIBLER, Box 81, Route 5, Findlay, Ohio. 12-8

White Wyandottes Exclusively. Good Fertile Eggs for hatching; also excellent cocks and cockerels at reasonable prices. Circular free. SUNFLOWER POULTRY YARDS, Box A, Oceanport, N. J. 12-8

Golden Wyandottes, the Bred for Beauty and business. Eggs, best birds, \$1.50 per 15; utility stock, \$1 per 15. R. W. PARKER, Williamsport, Pa. 12-8

Eggs from High Scoring Buff Wyandottes, Solid buff birds, blue ribbon winners at Greenfield, \$2 per 15. Send orders early. GUY J. POTE, Bridgewater, Iowa. 12-8

Partridge Wyandottes Exclusively. Fine Young stock for sale; bred from prize winners only. Eggs, \$3 for 15. O. SUESSENGUTH, Uhrichsville, Ohio. 12-8

Columbian Wyandottes, Portland, Ms., 1907. 11 prizes, cup, New York, 1907; 3d pullet, 5th cockerel on 4 entries. Eggs, \$5 per 13; special mating eggs, \$1 each. S. T. EVELETH, Portland, Me. 12-8

My Buff Wyandottes Always Win; Winners at Scranton and Wilkes-Barre, 1906; winners at Scranton, January, 1907. Eggs, \$3 per setting. White Rocks, winners at Scranton, eggs, \$2. Satisfaction guaranteed. E. GRIFFITHS, 115 W. Market St., Scranton, Pa. 12-8

Partridge Wyandottes! World's Fair, Chicago; St. Louis winners. Fine cockerels, trios, and pens. Prices low for quality. Eggs for hatching, \$2, \$3, \$5, setting. No better birds ever mated. OTTO CANNON, Box A33, Elsbeyr, Mo. 12-8

White Wyandotte Eggs from My Standard-bred, heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circulars free. R. C. WARMAN, Washington, N. J. 12-8

Columbian and White Wyandottes; Winners at Cleveland, Cincinnati, Dayton, Columbus, Toledo. Catalogue and egg circular ready. Eggs, \$3 and \$5. CHAS. E. CHAM, Carey, Ohio 12-8

"Invincible" White Wyandottes, Because We have the best vigor, weight and breeding order stock; also eggs at \$2 for 15. H. MARKS, Roscoe, Ill. 12-8

First Prizes on Golden, Cock and Hen, at American Poultry Association Show at Auburn, 1907. Cockerels for sale. Eggs in season. JOHN R. STEELE, Romulus, N. Y. 12-8

Bargains! A Few Trios of First-class Columbian Wyandottes left at \$6 to \$10; trio cockerels, \$3 to \$5. Good breeders. F. G. BEAN, Collegeville, Pa. 12-8

Whites Wyandottes! I Have Mated Two Selected pens that are up to date and Standard weight with the proper shape, and white as snow. Eggs, \$1.50 per setting. Try them, and be convinced that I can please you. S. L. HETRICK, Punxsutawney, Pa. 12-8

"Fishel Strain White Wyandottes. 993 Eggs from 51 pullets during December. Eggs, 10 cents each. Order now. PHIL WEBER, Canal Winchester, Ohio. 12-8

White Wyandottes! Pure, White, Short Legs and Blocky. Good layers of large, brown eggs. First prize hen at Newark, 1906. All selected breeders. Eggs, \$1.50 per 15; \$4 per 50; \$7 per 100. Satisfaction guaranteed. W. T. FOSTER, Woodstown, N. J. 12-10

Wyandottes; White and Silver-penciled. At Utica, N. Y., January, '07, I won 22 regular and 17 specials on these varieties, including every first prize. Eggs, \$2 and \$3 per setting. Send for mating list. AUSTIN G. WARNER, New York Mills, N. Y. 12-10

Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Litzitz, and Philadelphia. Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm flock. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 12-5

Poultry for Profit. I Have the Winter Laying strain. White Wyandottes lay well all winter. Eggs, \$1 per 15. JOHN DORN, South Schodack, N. Y. 12-8

Columbian Wyandottes (Arnold, Richardson), Yards headed by sons of "Teddy." Eggs, \$1.50. Also "Lords" Buff Wyandottes. Circular. WM. SEIDEL, Box F, Washingtonville, Pa. 12-8

White and Columbian Wyandottes. Blue Ribbon winners whenever shown; stock for sale; eggs for hatching. Write for circular. MAX FRIES, F. 254, Warsaw, Ind. 12-8

Partridge Wyandottes. Winners Wherever Shown. Won at great Chicago Show, 1907—2d and 3d cock, 3d hen, 2d pen. At great Indianapolis Show, 1907—2d cock, 1st hen, on 2 entries; 21 ribbons at four other shows this season. Stock and eggs for sale. WM. ERFURTH, South Chicago, Ill. 12-8

White Wyandottes. Fine Utility Stock; trios, \$6 to \$7; pens, \$8 to \$10. Eggs in season. JNO. A. COLE, R. D. 2, Sangerties, N. Y. 12-8

Silver Wyandottes. Winners at Madison Square, Walden, and Kingston. Choice stock for sale; eggs from finest exhibition matings. Circular free. OLIVER CARTER, Tillson, N. Y. 12-8

Buff Wyandottes; Eggs from Winners That Will produce winners; your money's worth every time; stock for sale; circular free. J. E. WILLMARTH, Amityville, N. Y. 12-5

Staggs Rangs Farm White Wyandottes; Remember one of the great laying strains; quick growing early maturing; eggs for hatching from high-class matings, \$2 and \$4 per setting; Utility, \$1 per setting, \$5 per 100. Circulars. HENRY W. KRAMER, Specialist, Glenville, York Co., Pa. 12-9

For Sale—Choice White Wyandotte Cockerels. Won 3d and 4th cockerels at Canisteo. Hottest class of Wyandottes outside of largest shows, says Judge Webb. My best ones unsold. Eggs for sale. GEO. S. CHASE, Bennettsburg, N. Y. 12-8

Buff Wyandottes. First Pen, Scranton. Eggs, \$2 for 15; a few fine cockerels. White Leghorns, Blanchard strain, \$1.50 for 15. F. M. TIFANY, Dalton, Pa. 12-8

Buff Wyandottes, True to Color and Shape. Winners at Great Washington show; choice cockerels, \$3 up; eggs, \$3 per 15. MRS. ELLA F. RENSEN, Annapolis, Md. 12-8

White Wyandottes, 240-egg Strain—Eggs for hatching a specialty; \$1.25 per 15; \$2.25 per 30; \$3 per 45; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbian Wyandottes. The Coming Utility fowl. Eggs for hatching a specialty; \$2 per 15; leaflet free. E. C. TOBIAS, Woolrich, Pa. 12-8

Columbian Wyandottes and Barred Rock Eggs from exhibition matings, \$2 a setting; three settings, \$5. J. R. LANE, Fort Edward, N. Y. 12-8

Partridge Wyandottes. Eggs from Specially Selected, handsomely marked, fine laying stock, Hadaway and McKelm strain; limited number at \$2 per 13; square treatment. Satisfaction guaranteed. B. A. READ, No. 3 Wheeler Ave., Binghamton, N. Y. 12-8

Columbian Wyandottes, America's Champions. Won 32 firsts and special prizes at New York and Boston, 1907. Eggs from prize matings, one setting, \$5; three settings, \$10; five settings, \$15. Choice birds for sale. See large ad. A. C. HAWKINS, Box 28, Lancaster, Mass. 12-8

White Wyandottes—Strictly High Grade Stock; no brass, no black feathers; they lay well and always win; trap nest pedigree; stock and eggs for sale. TRUSTY FRIEND POULTRY FARM, Leslie W. Baker, Prop., Annapolis Junction, Md., Box 83. 12-8

Silver Penciled Wyandottes. We Have No More stock for sale. Eggs at \$1 per setting of 13; we keep nothing but Silver Penciled Wyandottes and the best strain at that. Write. MONTROSE STOCK FARM, Deanwood, Fairfax Co., Va. 12-8

Golden Wyandottes Exclusively. Bred from Chicago winners; all breeding pens headed by first prize birds; years of experience; long record of show winnings enables us to raise quality of highest merit. Eggs, \$2.50 for 15. EVERHART & ROGERS, Keyser, W. Va. 12-9

Buff Wyandottes, Prize Winners, Marvelous Layers. Eggs from birds scoring 91 to 94%, \$2 per 15; \$3.50 per 30. E. P. CUTLER, Carthage, Ill. 12-9

Columbian Wyandottes, "the Kind That All the world will have." Ten grand pens. Silver-penciled Wyandotte, fine as silk. American Dominiques—the real old-fashioned kind. Light Brahma Bantama—beauties. Nice circulars. DR. HARWOOD, Chas. Falla, Malone, N. Y. 12-9

Columbian Wyandottes of the Best Prize Winning strains. Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y. 12-6

Silver-laced Wyandottes Exclusively for Ten years. Dr. Beckett's original mating. Stock and eggs for sale at right prices. Satisfaction guaranteed. Write for quotations. D. LEWIS, Keyport, N. J. 12-9

America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y. 12-12

Silver Wyandottes, Beauty and Utility Combined. Write me; I have a story of eggs and awards, or trust me and send \$3 for 15 eggs; \$5 for 30; and he convinced. H. F. ATHERTON, Mooale, Pa. 12-9



**2d Partridge Wyandotte Cockerels at Boston, 1907.** 1 own, bred and raised. Eggs, \$3.50 per setting, from two choice pens. F. C. BUREAK, Sandwich, Mass. 12-9

**Golden Wyandottes and S. C. Buff Leghorns.** Farm raised. A few good Wyandotte cockerels left. Keller strain. Prices reasonable. Fine strain of Buff Leghorns. Eggs, \$1 per setting. I. G. LONGENECKER, Palmyra, Pa., Rte. 1. 12-9

**Columbian Wyandottes, Winners at Boston Three years.** Eggs, \$2 for 15; \$5 for 45; write for circular. R. G. RICHARDSON, R. F. D. 2, Lowell, Mass. 12-9

**White Wyandottes, Fowls and Eggs, Fish's Strain.** Stock direct from champion "Wonder." None better. Write for full particulars. W. B. ELLSWORTH, Brookwood Farm, Ottawa, Ill. 12-9

**White and Partridge Wyandottes.** Eggs from birds that scored 95 points. Satisfaction fully guaranteed. Eggs, \$1.50, 15; \$6, 100. R. A. GRAFF, Jamesburg, N. J. 12-9

**At Boston Show, 1907, on Golden and Silver Wyandottes** we won \$60. Eggs for hatching from Golden, Silver, Buff and Black Wyandottes, at \$3 per 15, or \$5 for 30 eggs. Less than 11 chicks per setting, eggs duplicated at one-half price. WOOD & FREEMAN, Fitchburg, Mass. 12-9

**"Whits Frost" Strain—White Wyandottes, 32 ribbons; 14 specials; silver cup for best pen, any variety, this fall.** Eggs, \$3 per 13. CHARLES D. CLEVELAND, West Orange, N. J., Box A. 12-9

**Buff Wyandottes, Partial List This Season's winnings.** Cambridge, cock 1, hen 3, pen, old, 1; pen, young, 1; cockerels, 1, 2; pullets, 1, 2; two specials. St. Albans, 4 firsts, 10 specials. Frankfurt, 4 firsts, 9 specials. Eggs, \$2, \$3, 15. Club member. STUART A. HOWLAND, Granville, N. Y. 12-9

**Columbian Wyandottes and Light Brahma Cockerels.** Antocart strain; a few fine cockerels for sale; \$2 to \$5 each. MRS. ROSA J. HOLWAY, East Sandwich, Mass. 12-9

**White Wyandottes, Grsat Winter Layers, Exhibition quality.** Eggs. Day old chicks and breeders for sale. Send for circular. W. E. COOK, Route 4, La Grange, Ill. 12-9

**"A Squares Deal." Would You Like to Buy Eggs** for hatching from pen of White Wyandottes, scoring from 94 to 96½ points? Every bird above Standard weight. Fine in shape, milky white plumage, golden yellow legs and beaks, and grand layers. If interested, write W. G. HALE, Batsto, N. J. 12-9

**White Wyandottes.** Eggs after March 1st, at \$1 per 15; \$2.50 per 50. Circular for stamp. FAIRVIEW POULTRY FARM, Homer, Mich. 12-9

**Partridges Wyandottes Specialist.** Winner Leading shows, including first cock and other winnings at Boston, 1907. Eggs. Catalogue free. C. E. GEORGE, Union City, Mich. 12-9

**Lakewood Farm—Famous White Wyandottes,** farm bred. Eggs for hatching, \$2 per 15; \$8 per 100. Day old chicks our specialty. LAKEWOOD FARM, Holland, Mich. 12-9

**Raven Rock Poultry Farm, White and Buff Wyandottes (Dutton and Hawkin strains).** Thoroughbred, farm raised, large, vigorous birds, bred from selected winter layers. Eggs for sale. White, \$1 per 15; Buff, \$1.25 per 15. I. G. WATERS, Guernsey, Ohio. 12-9

**White Wyandottes and Buff Cochins, Special Introductory prices.** Eggs, \$1 per 13. Stock very reasonable. Score 90 to 94. Won prizes Columbus, Cincinnati, Dayton, Sidney, Portland, Indianapolis. Compliments. Circulars free. S. BERGER, Pleasant Hill, Ohio. 12-8

**I. X. L. Poultry Yards, Golden Wyandottes** stock and eggs for sale. Catalogue free. J. F. SCHOLZ, Erie, Pa., Station No. 439. 12-9

**My Partridge Wyandottes Won Second Cockerel** and third hen at Providence, 1906. Eggs, \$2 per 13. F. A. BAILEY, Hope Valley, R. I. 12-9

**Perfection White Wyandottes. "The Name Tells** a true story." Exceptionally fine; short-backed, deep-bodied, white and blocky. Eggs, \$1.50; 30, \$2.50. Stock for sale. R. W. LUCKETT, Londonn Poultry Yards, Luckett, Va. 12-9

**Thoroughbred White Wyandottes.** Exceptional winter laying strain. Stock and eggs for sale. Write for particulars and prices. R. G. HARKINS, Hickory Hill, Pa. 12-9

**White and Silver Wyandottes. Some Extra Fine** males and females for sale. Eggs in season. Write your wants; satisfaction guaranteed. J. I. STRIEBIG, Spry, Pa. 12-8

**Partridge Wyandottes. Partridge Wyandotte** Eggs—15, \$1.50; 50, \$4; 100, \$7. Stock scoring to 93½. Size and color. I can positively please you. ED. SCHMIEDEMANN, Lakemills, Wis. 12-9

**Partridge Wyandottes, Adams' "Goldbanks" Have** won 62 prizes at 4 state shows. Four grand yards; stock; eggs; circular. "PARSON" ADAMS, Altoona, Iowa. 12-9

**Whits Wyandottes—Won at Harrisonburg Show,** December, 1906, 1st pen; 1st, 2d, 3d, 4th pullet; 1st, 2d cockerel; 2d hen. Also Single-combed Rhode Island Reds won 1st, 2d, 3d pullet. Trap nests used. Eggs in season. Booking orders now. Satisfaction guaranteed. Correspondence solicited. Member National White Wyandotte Club. WESTOVER POULTRY FARM, J. P. Bowers, Mgr., Harrisonburg, Va. 12-9

**Doolittle's Strain Partridge Wyandottes, White Wyandottes and R. C. Reds.** Cockerels, \$1.50 np. Eggs, \$3 per setting; \$5 per 30. C. M. STINE, Heltz, Pa. 12-9

**Golden Wyandottes; Large, Vigorous, Beautifully** laced; excellent layers. Eggs—15, \$1; 30, \$1.75; 60, \$3. Satisfaction guaranteed. L. S. GROSE, Pleasant Valley, W. Va. 12-9

**My White Wyandottes Are Winning Blue Ribbons,** and will for you; are grand layers, and score as high as 95½; small matings; extra fertility. Eggs \$2 and \$3 per 15. A. C. S. BEE-MAN, St. Albans, Vt. 12-9

**White and Buff Wyandottes and Barred Plymouth Rocks.** My White Wyandottes won \$50 silver cup for best display, also special ribbons, and nearly all other prizes awarded at Pullmont Poultry Show 1907, also winners at other shows. Young and old stock for sale. Eggs \$2 per 15. Address G. J. ANDERSON, Melleville, N. Y. 12-8

**Columbian Wyandottes—Richardson Strain—Direct.** Unexcelled for exhibition and utility. Eggs from prize winning stock, \$2 per 15. FRANK VAN WAGNER, Salt Point, N. Y. 12-9

**Dutton Strain White Wyandottes Exclusively;** bred for heavy laying. Eggs \$1.50 per setting. Liberal guarantee. Booklet. STANLEY E. ASSON, New Egypt, N. J. 12-9

**Sacrifice Sale—Columbian Wyandottes, Fins** as grow; five cockerels, twelve pullets, trios, \$10 up; entire lot for \$50. J. W. BRINSER, Manchester, Va. 12-8

**White Wyandottes Exclusively (Dunston's and** Hallock's direct). Positively pure. Eggs—\$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. HARRY AULENBACH, "Grand View," Wernersville, Pa. 12-9

**Columbian Wyandottes! At Nevada Poultry Show,** 1906, won all premiums given on Columbian Wyandottes. Eggs, \$1 per 15. F. A. RECTOR, Box 206, Nevada, Mo. 12-8

**Snow-whits Wyandottes; Winners and Layers.** Eggs now \$2 per setting. No more stock for sale. MRS. ANNA KLOPP, Route 1, Stevens, Pa. 12-10

**Pure Bred "Stay White" White Wyandotte Eggs** for hatching, \$2 per 15; or \$3 for 30. JAMES T. BOYD, Rardin, Ill. 12-10

**White Wyandottes Exclusively; Keeler Strain.** Eggs—\$2 per 15; \$3.50 per 30. Write for prices on stock. ANNA MAGEE, Winamac, Ind. 12-10

**White and Columbian Wyandottes; St. Lawrence** strain. You want the best laying and exhibition strain on earth—write me. A. N. COWELL, Brasher Falls, N. Y. 12-10

**Prize-winning White Wyandottes, and Barred** Plymouth Rocks. Eggs—\$2 per 15; incubator, \$5 per 100. All great winter layers. S. A. BANE, Claysville, Pa. 12-10

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**Doolittle's Partridge Wyandottes; the Original** strain. Won a majority of prizes at World's Fair, Chicago, Boston, and New York. Eggs for hatching. Catalogue, "How to Mate and Breed Partridge Wyandottes," 10 cents. DOOLITTLE, the Partridge Wyandotte Man, Sabetha, Kans. 12-10

**Hacker's White Wyandottes. Hens, Cockerels,** pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-9

**Partridge Wyandottes Exclusively. Eggs, 15 for** \$1; 100 for \$5. J. J. MYERS, Route 3, Freeport, Ill. 12-10

**Columbian Wyandottes, Exclusively. My Stock** is direct, each year, from McIntosh (the originator). Madison Square prize winners. Eggs, \$2 per 15; \$3.50 per 30. WILLIAM REID, Box 97, Hopewell, N. J. 12-10

**We Were Winners at Grsat Pittsburg Show, 1907** Silver-laced and White Wyandottes and Buff Orpingtons. Eggs, \$1.50 per setting. McNEES BOYS, Beaver, Pa. 12-10

**Wood's White Wyandottes Win in the Egg Basket.** Nine years' breeding for utility. Forty acres. Eggs, \$2 per setting. F. H. WOOD, Cortland, N. Y. 12-10

**White Wyandottes, Single-combed White and** Buff, and Rose-combed White Leghorns, \$1.25 per 13. HENRY ROBINSON, Lestershire, N. Y. 12-10

**White Wyandottes (Dunston Strain) From 1 Pen,** only \$2 a setting. We sell fresh Water Glass, \$1.10 a gallon, for storing eggs for winter. Will put away about 100 dozen. Circular free. H. WIGHTMAN, 2215 Colfax St., Evanston, Ill. 12-8

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**White Wyandottes (Dunston's) Direct, Farm-raised.** Eggs, special mating, \$1 per 15. Range, 60 cents per 15. Circular. MRS. BENJ. PRICE, Box 16, Earleville, Md. 12-10

**White Wyandottes (Dunston), High-class Stock,** bred for utility and beauty. Eggs, \$1 per 15. Breeders for sale after June. F. L. BALLARD, Lebanon, Ky. 12-10

**Columbian Wyandottes. First Prizes at Lititz,** Dallastown, and Ephrata. Eggs, \$1.50 per 13; \$3 per 30; \$4.50 per 50; \$8 per 100. LEWIS O. MAYER, Millersville, Pa., Route 2. 12-10

**Columbian Wyandottes. Bred for Quality and** utility. Immense layers. Eggs for hatching, \$1, \$2 and \$5 per 15. Stock for sale in season. CANFIELD POULTRY YARDS, Hope Valley, R. I. 12-10

**Silver-laced Wyandottes. Eggs, \$1.50 per 15,** from pen 1; \$1 per 15, pen 2. Rest of season. MAPLEWOOD FARM, R. R. 12, Hauhstadt, Ind. 12-9

**Columbian and Whits Wyandottes; Prize Win-** ners at Hagerstown, Rockville, and Washington, in 1905, 1906, and 1907. Also Houdans and Single-combed Buff Orpingtons (Cook's Sons' strain). Stock for sale. Eggs, \$2 for 15. J. D. SUMNER, Kensington, Md. 12-8

**Eggs, Eggs! From Our Prize-winning Snow** White Wyandottes, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-9

## MINORCAS

**Winona Farms, North Paterson, N. J., Won at** Madison Square Garden, 1907, 1st and two specials on Hen, 5th on cock, silver cup and five other specials. Eggs, \$3 per 13; \$5 per 26. 12-8

**Ross Comb Black Minorcas Exclusively. Breed-** ing and exhibition birds at reasonable prices. Eggs, \$3 for 15; two sittings for \$5. 1 breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

**Dexter's S. C. Black Minorcas; Leading Winners** at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9

**Rose Comb Minorcas, Black and White, Winers** Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

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**Prize Stock of America's Grsat Layrs, S. C.** Black Minorcas and Barred Rocks. Eggs, \$1 per 15; \$5 per 100. H. H. GODSHALL, Telford, Pa. 12-8

**Imported Single-combed Black Minorcas Direct.** Big, large rangy birds. Only a few settings to spare at \$2 per 15. E. S. LAWRENCE, Arnot, Pa. 12-8

**Rose-combed Black Minorca Eggs for Hatching,** \$1.50 per 13. Photos for stamp. CHAS. F. JORDAN, Box 217, Jefferson, Wis. 12-8

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**Rose-combed Black Minorcas; Winners at Indi-** ana's largest shows; pens contain many prize winners. Eggs, \$2 per 15. Hatch guaranteed. B. F. NEIMAN, Fishers Switch, Ind. 12-8

**Single-combed Black Minorcas (Northup Strain),** A few choice cockerels—pairs, trios and pens, for sale. Prices reasonable. Eggs from prize winning pens, \$2 per 15; \$3 per 30. LEON HUGENOR, R. F. D. 2, Hornell, N. Y. 12-8

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**Single-combed Black Minorcas. At Recent Show** in West Haven in strong competition—1st cock, 1st and 2d hen, 1st and 4th cockerel, 1st and 3d pullet. Special for best shaped Minorca female, and silver cup for best display. Send for mating list. Fine cockerels for sale. RICHARD M. RICE, North Haven, Conn. 12-8

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**Eggs from My Prize Winning S. C. Black Minor-** cas guaranteed to hatch. Stock for sale. Write for prices. NILES M. SMITH, Chatham, N. Y. 12-8

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**Mountain View Poultry Yards—Wolford's Ken-** tucky Queen S. C. Black Minorcas. Eggs for hatching, \$2 per 15; \$10 per 100. Write for circular. When writing mention The Feather, D. C. WOLFORD, Prop., Schoharie, N. Y. 12-8

**Rose and Single-combed Black Minorcas Exclu-** sively. Eggs, \$1 per setting of 15. Pleased customers everywhere. Write for circular. THEODORE W. KOOP, New Bremen, Ohio. 12-9

**Exclusively High-class, Rose-combed Black Mi-** norcas. Eggs. Prize winning stock. Pen of ten averaged the past year 204 eggs. Book your order now. G. S. TREDWAY, 310 So. 4th St., Coshocton, Ohio. 12-9

**Minorcas in All Their Purity, the Largest Non-** setters on record. My birds are not in-bred, and are up to the standard on weight. R. C. Black, S. C. Black, and S. C. White. Eggs, \$1 per setting. LOUIS WABER, New Galilee, Pa. 12-9

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**Single-combed R. I. Reds. Eggs for Hatching,** \$1 and \$2 for 15. CHAS. WORRICK, Akin, N. Y. 12-8

**S. C. R. I. Reds Exclusively. Specially Mated** utility pens. Great winter layers. Eggs, \$1 for 15; \$4 for 100. MRS. F. B. MAXHAM, Bethel, Vt. 12-8

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Standard and Utility Brsd Ross-combed Reds; won wherever shown and unexcelled layers. Eggs, \$2.50 and \$5 setting; \$10 per 100. MARYLAND POULTRY AND EGG FARM, Laurel, Md. 12-8

Over 150 Prizes on My Rhode Island Reds during last three years. Eggs, from either comb, \$2 per 15. E. O. CORNFORTH, Slatersville, R. I. 12-8

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For Choice Standard Stock and Eggs from Reds that are red, either comb, settings, \$1; 100 \$5. Write. WILLIS SLATE, So. Windham, Conn. 12-8

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Ross-combed Reds. Tuttle-Anderson Strain, prize stock; eggs for hatching, \$2 per 15. H. A. HAGERMAN, Box 18, Mahwah, N. J. 12-8

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Single-combed. Four Firsts, Gsneva. Nearly All best prizes, Cleveland, including 1st breeding pen and Silver Cup best display. Egg catalogue free. IRA M. CROWTHER, "F," Willoughby, Ohio. 13-5

Rhode Island Rsd Specialist. Single and Rose-combed. Eggs, \$3 per 15; \$5 per 30; from Red Winners, no other grade. Satisfactory hatch guaranteed. P. I. HORNING, Alden, Minn. 12-10

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Ross-combed R. I. Reds—Prize Winners Whenever shown. Eggs, \$1.50, \$2 per setting, 15 eggs. We are one of the oldest breeders in Ohio. Good stock for sale and eggs in season. M. M. MIESSE, Lancaster, Ohio. 12-9

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Ross-combed Reds, Yards Headed with Cock scored 94½; pullets, 94½. Eggs, \$3, 15. Silver-laced Wyandotte cockerel, scores 93½; pullets, 95. Eggs, \$3, 15; scored by Riggs and Humlick. Won the blue every time showed. WILL THOMAS, Belleville, Wis. 12-9

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Tuttle's Rose-combed Reds; Purs Robt. C. Tuttle's strain; bred from Madison Square Garden prize winners. None better; hatch guaranteed. Eggs—\$2 per setting; 2 settings, \$3.50. ARTHUR G. LOFER, Port Jefferson, N. Y. 12-8

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Golden Sebright and Buff Cochins Bantams. Choice cockerels \$2 each. Sebright eggs, \$1.50 setting; Cochins—\$1.25 setting; two settings \$2. F. LAUX, 85 Lowell St., Rochester, N. Y. 12-9

Buff Cochins Bantams; Eggs for Hatching; Orders booked for delivery now or later; Pure bred and hardy stock. Prices reasonable. GEO. O. BILLHEIMER, Bethlehem, Pa. 12-10

Light and Dark Brahma Bantams from America's best strains. Limited number of eggs and stock for sale. STOECKEL BROS., 961 Wheeler Ave., Scranton, Pa. 12-8

Model Poultry Farm. White Thoroughbred S. C. White Leghorn, Wyandotte, and Cochins Bantam eggs, \$3 for 15; Cochins Bantams, pair, \$3. NEL- 12-8

LIE V. CAMERON, Swanton, Ohio. 12-10  
White Cochins Bantams, \$3 per Pair; \$5 per Trio. M. D. CASS, Athol, Mass. 12-10

Bantams—Seven Varieties—Prize Winners. Sebrights, Golden and Silver; Brahmas, Light and Dark; Cochins, Black and Partridge. Eggs, stock. FRANK D. LEWIS, Amsterdam, N. Y. 12-8

Gams Bantams, all Varieties of the Best Quality. On thirty entries won 18 firsts, 9 seconds, 3 thirds. I breed and raise prize winners, and can please the most exacting. JESSE G. DALLINGTON, 53d and Media Sts., Philadelphia, Pa. 12-10

White Cochins Bantam Cockerels, and White Japanese cockerels, for \$1 each. Homers and Tumblers Pigeons, 75 cents per pair. TOM BARNES Marshall, Mich. 12-8

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Jonss, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 101-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams, Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. 12-9

Black Javas. Queens of Wint's Layers. Eggs, \$1 per setting; some fine pullets for sale, \$1 each; cockerels; \$2 each. JOHN CRUISE, Logan, Ohio. 12-8

## ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. 12-9

Buff Orpingtons and Black Minorcas. Booking orders for baby chicks, Orpington cocks, and cockerels. Eggs for sale. Write. A. B. WILLETT & SON, Anderson, Ind. 12-8

Singls-combed Buff and Black Orpingtons. Winners at New York, Hartford, Wallingford, Middletown, Guilford, and Willimantic. Eggs, \$3 and \$5. Mating list. TYLER CRUTTENDEN, Norwich, Conn. 12-8

450 Buff, Black and White Orpingtons for Sale this month, and eggs, at a bargain. Circular free. LEWIS C. BEATTY, Box F, Washington, N. J. 12-8

S. C. Buff and Black Orpingtons, Duke of Kent strain. Salmon, Faverolles, Boston, and Milford prize winners, 1907; 15 eggs, \$2. ARTHUR WAITE, Rockville, Mass. 12-8

Singls-combed Buff Orpington and White Plymouth Rock eggs for sale, \$1.50 per 13; from fine thoroughbred stock. MRS. BELLE DAVIS, Pawling, N. Y. 12-8

S. C. Buff Orpingtons, the Best General Purpose Fowls. Eggs from prize stock, \$2 per 15; satisfaction guaranteed. I. L. DAVIS, Star Delivery, Chilli Station, N. Y. 12-8

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out. Newly-hatched chicks. Eggs in season, \$2 and \$3 a setting. H. PEARSON, 500 Valley St., South Orange, N. J. 12-9

S. C. Black Orpingtons. At Chicago, 1907, I Won 1st cock, 5th hen, 4th pullet; Milwaukee, 1907, 1st cock, 1st, and 3d hen, 2d crl, 3d, and 5th pullet, 1st pen, Silver Cup for best display. Eggs, \$3 and \$5 per 15. Send for list. G. E. GREENWOOD, Lake Mills, Wis. 12-9

Singls-combed Buff Orpingtons Exclusively. Large buff birds. Eight entries won seven prizes. Eggs for hatching at reasonable prices. J. B. KERN, Neffs, Pa. 12-8

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUTP CO., Easton, Pa. 12-11

My Pens of Single-combed Buff Orpingtons Are headed by prize male birds; eggs, \$2 per 13. F. W. HAVENS, 72 Monmouth St., Springfield, Mass. 12-8

Black Orpingtons. Since 1903 2 Varieties, Single-combed White; first, Hartford, Springfield, Worcester, Portland, Brocton, and Boston; eggs, \$3. C. E. SHAFER, East Brookfield, Mass. 12-8

Orpingtons, Buff, Blacks—Have Mated for Spring trade fifteen pens; eggs, \$2 and \$3 per 15; stock for sale; send for circular. GEO. H. HERBICK, Dnrand, Mich. 12-8

S. C. Black Orpingtons. Won 1st Cock, 1st, 2d cockerel, 1st, 2d hen, 1st, 3d pullet at St. Louis Butterfield, judge; stock for sale; eggs, \$5 for 15; \$9 for 30. JOHN HETTICH, Bowling Green, Mo. 12-8

Single-combed Buff and Black Orpingtons. Eggs from prize winners, \$2 per 15; \$5 per 40. LOCUST RIDGE FARM, Box 276, Milton-on-Hudson, N. Y. 12-9



Pure-bred Buff Orpingtons and Barred Rocks, Ringlet strain. Stock and eggs for sale. EMPIRE STATE POULTRY YARDS, J. J. Cummings, Apulia, N. Y. 12-9

S. C. Buff and Black Orpingtons. 1st Pullet, Dayton, 1905; 1st, 2d hen, 1st, 2d pullet, Springfield, 1906; 1st pullet, Tiffin, 1907; 1st pen, silver cnp, Newark, 1907. Eggs and stock, choice breeders. T. A. BEACH, Delaware, Ohio. 12-9

Swonger's Golden Buffs Unexcelled Rose-combed Orpingtons and Single-combed Leghorn Eggs, \$1.50 per 15. Satisfaction guaranteed. Z. E. SWONGER, De Graff, Ohio. 12-9

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. 13-6

Watling's S. C. Black Orpingtons; Four Years winners at Anhorn; no other fowls kept. Ask for egg circular. WATLING & CO., Seneca Falls, N. Y. 12-9

S. C. Black Orpingtons. Some Bargains in Choice cockerels. Eggs \$3 per setting. MRS. H. WEDDERSPOON, Perthmoor Farms, Cooperstown, N. Y. 12-9

S. C. Buff Orpingtons. Type and Size Is My constant aim. Every bird over weight and a typical Orpington. Imported cockerel heads first pen, son of first international cock, England. Eggs \$3 for 15; fertility guaranteed. H. H. KINGSTON, Member National Single Comb Buff Orpington Club, Brighton, Rochester, N. Y. 12-9

Rose and Single-combed Buff Orpington Eggs, and mammoth Pekin Duck eggs, \$1 to \$2 per setting. WAKE FOREST POULTRY YARDS, L. B. Derby, Proprt., Wake Forest, W. Va. 12-9

S. C. Buff Orpingtons, Cockerels, and Pullets, \$1 to \$3; exhibition birds, \$5. Eggs—\$2, 15; \$3, 30. The old reliable Orpington breeder since 1898. MRS. W. N. MARSHALL, Fayette, Mo. 12-9

S. C. Black Orpingtons. Won 1st Cock, 1st Cockerel, 1st and 2d pullets at Palestine; 1st cockerel, 1st and 2d pullet at Salem. Eggs, \$3 for 15. Prize matings. L. C. GREEN, Columbiana, Ohio. 12-10

S. C. and R. C. Buff Orpingtons a Specialty. Only high scoring birds in my pens. Eggs in season, \$1.50 and \$3. Birds for sale. Write me. DR. ROBERT S. DOMBAUGH, Waldo, Ohio. 12-10

S. C. Buff Orpingtons Exclusively. Eggs, \$2 per 15, packed securely in egg boxes. MISS J. P. JONES, R. F. D. 1, Tobaccoville, N. C. 13-4

S. C. B. Orpingtons, Cockerels, and Pullets, \$2 to \$5. Show bird prices on application. Eggs, \$1 to \$3 per 15. L. H. SMITH, Box 356, Chinton, Wis. 12-8

Breeders for Sale. Price of Eggs Reduced of Rose-combed, Buff Rose-combed, White Orpingtons, Rose-combed White Minorcas and Buff Rocks. B. WENK, Washington, Ill. 12-10

Orpingtons, Buff and White; Prize Winners; Buff to skin. Pens 1 and 2 headed by fine cockerels. Eggs \$1.50 and \$2 for 15. T. KINNAMAN, Fortville, Ind. 12-10

Orpingtons—Buff, Black, White; Winners wherever shown; "hest" standard-bred layers in country. Write for matings, prices, etc. E. M. LONG, Avenue F., Osceola, Ind. 12-10

Rose-combed Buff Orpingtons Exclusively. If You want size and color I have them. Eggs, \$2 per 15. Fertility guaranteed. J. C. CORBIN, Troy, Ohio. 12-10

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S. C. Buff Orpingtons; Eggs \$2 per 15. S. C. Black Orpingtons; eggs \$3 per 15. Bred for size, shape, color, to lay and exhibit. The breed that has won favor of American poultrymen. MELDO HILLIS, Box 66, Ellwood, Ind. 12-10

Orpingtons, Buff and Black. Winners at Akron, Cleveland, and Toledo. Buff eggs, \$1 and \$2 per 15. Blacks, \$2 and \$3. P. W. GILLMAN, Rittman, Ohio. 12-8

Single-combed Black and Jubilee Orpingtons. Pens headed by 1st prize cocks. Best layers on earth. Nest records. L. S. SIGGINS, Great Barrington, Mass. 12-9

S. C. Black Orpingtons of The Finest Quality. Winners at the great Philadelphia Show. Eggs, \$3 per 15. GEO. B. EDWARDS, Church Lane, Lansdowne, Pa. 12-8

Diamond Jubilee Orpingtons. The Money Makers of the future. For eggs, broilers, market, or show room, they are unequalled. Don't change, or select your new breed, until you see our free circular. ISAAC F. TILLINGHAST, 65 High St., Factoryville, Pa. 13-7

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 specials, 5 entries, 3 pens headed by first prize birds. Interesting booklet free. DELL FARM, Monaca, Pa. 12-11

S. C. Buff Orpingtons. Some Bargains in Choice vigorous and healthy. Best eggs, \$2.50 per 15. Incubator eggs, \$6 per 100. This season's breeders for sale after June 1. A. G. HOCH, Storm Lake, Iowa. 12-10

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Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Joliet; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 13-4

Light Brahmas Only; Hardy Stock; Bred for Winter layers. Large brown eggs, \$1 for thirteen. HAYSTACK MOUNTAIN FARM, Norfolk, Conn. 12-8

I Am the Light Brahma Breeder That Captured all the blue ribbons at the Illinois State Fair. Can fill orders for show birds or eggs. M. O'LOUGHLIN, Bement, Ill. 12-8

Light Brahmas, Mammoth Strain. The Great World's Fair winners. We have a fine lot of birds for sale, prices right, satisfaction given. Eggs, \$3 for 15. H. T. ROGERS, Box B, The Elms, Calinsville, Mo. 12-8

Light Brahma and Pekin Ducks for Sale. High-grade eggs in season; special prices on large orders. LIGHT BRAHMA AND PEKIN DUCK FARM, Brodhead, Wis. 12-8

1868-1907—Star Strain Light Brahmas; 3 on Pen, Boston. Eggs, \$3 per setting. For stock or eggs address, DR. N. V. HUTCHINSON, North Abington, Mass. 12-11

Light Brahmas Exclusively. Eggs, 15 \$3; 30 \$5. Ballston, Albany, Schenectady, and Gloversville winners; selling stock. EAST VIEW POULTRY YARDS, Box D, Ballston Spa, N. Y. 13-3

Light Brahmas. Eggs and Stock for Sale. Have bred 15 years for winter layers; none better; write for prices. O. A. WARD, Upper Marlboro, Md. 12-8

For Sale—Pure-bred Light Brahma Cockerels, \$2 each. After Feb. 25, Light Brahma, also Rose-combed Brown Leghorn eggs, \$1 per setting of 15. Stocks and eggs as represented or money refunded. C. D. ADAMS, Johnstown, Ohio. 12-9

Pure-bred Light Brahmas, Farm Raised, Healthy stock. Eggs, \$1.50 per 15, reduction on large orders. MRS. JOHN GARD, Box 31, Clay City, Ind. 12-9

Light Brahmas (Nettleton's Direct) Choice Cockerels, \$3 to \$5; pullets, \$2. Eggs \$2 setting. Large White Rock Cockerels (Peapack Farm) \$3 to \$5. Eggs \$2 setting. M. E. RIDGELY, Benzen, Md. 13-3

Light Brahmas Exclusively; Winners at All the large shows. Eggs from six grand matings, \$3 for 13. BALCH & BROWN, L. B. 364, Manchester, Conn. 12-9

Light Brahma Cockerels, \$5 each; Pullets, \$3.50; from pen headed by Rollins' Madison Square winner. Eggs \$3 per 13. CHAS. H. RITCHER, 65 Boyd Ave., Jersey City, N. J. 12-9

## FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvelders. Send stamp for circulars. Dr. PHELPS, Glen Falls, N. Y. 12-10

English Salmon Faverolles. Eggs for Hatching, \$2.50 and \$5 per 15; fertility guaranteed; stock for sale after July 1. Circular free. L. R. SEBRING, Bellefonte, Pa. 12-10

Salmon Faverolles, "King of Utility"—Greatest layers and best market fowls. Eggs, \$2.50 per 15, or \$10 per 100. Lakenvelders at same price. C. SWANSON, Sycamore, Ill. 12-10

Salmon Faverolles. Our Birds Are Bred to Win and lay. Won first in New York in 1907. Circular free. C. S. HARMA, West Hebron, N. Y. 12-12

Bardwell's Salmon Faverolles. Best Specimens from best yards in England. \$5 for 15 eggs. H. W. BARDWELL, Importer and Breeder, Tunkhannock, Pa. 12-10

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Blue Andalusians and Golden Wyandottes, Winners at Cleveland, Ohio, 1907. Eggs, \$1.50 per 15; 50 eggs, \$3.50; 100 eggs, \$6. W. C. FOOTE, Wellington, Ohio. 12-8

Single-combed Blue Andalusians, 13 Eggs \$1; from prize winning strain of choice birds. I can please you. CHAS. M. PALMER, Nassau, N. Y. 12-8

Imported Blue Andalusians Exclusively. I Supply annually the choicest prize winners for America's leading shows. Fine stock for sale. Eggs, \$2, 15. Satisfaction guaranteed. Write W. T. NAYLOR, 161 Forbes Street, Palmsville, Ohio. 12-9

The Bluest of Blues. Won First Cock and Cockerel at Madison Square, New York, Philadelphia, and Pittsburgh. Eggs, \$3 per setting. T. F. BEST, Wilkinsburg, Pa. 12-9

Rose-combed Blue Andalusians. Beautiful Birds, great winter layers. Mature early. Best blood obtainable. Eggs from fine pen, 15, \$2. Stock. J. R. THURSTON, Dalton, Pa. 12-8

## ANCONAS

Mottled Anconas; Marsh's Strain; Beautiful birds; great layers. Eggs and stock. Circular for stamp. ANCONA POULTRY YARDS, Dr. Marsh, Proprietor, Route 8, Oswego, N. Y. 12-9

Try Burt's Anconas. The Great Egg Producers. Bred for utility and beauty. We always win. Fifteen eggs, \$1.50. BURT & SON, Machias Junction, N. Y. 12-8

We Are Breeding Anconas. Our Circular Gives the reason. Send for one and learn about the greatest egg producers. GEO. SHERWOOD, Greene, N. Y. 12-8

Mottled Anconas and White Wyandottes. We have mated up some good pens of each, and are booking orders for eggs. Let us book yours and we will both be pleased. F. L. SNYDER & CO., Lexington, Ky. 12-8

Anconas, The Laying Strain. That's the Kind I have. They are little business beauties. Eggs, \$1.25 per setting. MAX KEMERY, Johnstown, Pa. 12-8

C. A. Knight, Olena, Ohio, Breeds the World's best Anconas; one-half the first prizes at 11 shows; circular gives prizes and scores; cockerels, eggs. 12-8

Thornley's Strain of Anconas, Best Winter Layers in existence; bred for heavy egg production and standard requirements. Prize winners. Yellow shanks and dark under-color, well mottled. Eggs, \$1.50 per 15. Circular free. RIVER VIEW POULTRY FARM, Willard J. Thornley, Mgr., R. D. 7, Marietta, Ohio. 12-9

Winter Layers. Mottled Anconas. Eggs \$2 a setting. S. C. Brown Leghorns. Eggs \$1.50 a setting. A. S. DALTON, Kensington, Md. 12-8

## COCHINS

Buff Cochins and S. C. Barred Plymouth Rocks for sale. Eggs in season at reasonable prices. MRS. C. T. CRAMER, Barrackville, Marion Co., W. Va. 12-8

Evergreen Cochins Farm. Dark Brahmas, Black, White, Buff, and Partridge Cochins. Stock for sale from our Ohio State Fair winners. Eggs in season. Satisfaction guaranteed. C. W. SMITH, Cardington, Ohio. 12-8

Buff Cochins Won at La Crosse, Wis., 1907, 1st cockerel, 1st pullet, 2d and 3d pullet on five entries. Eggs, \$2 per 15. FRED KLETT, LaValle, Wis. 12-8

Buff Cochins—Choice Stock for Sale. Eggs from 94 1-2 to 95 1-2 point pens. Scored by Russell and Hewes. J. C. MITCHEM, Marshalltown, Iowa. 12-8

Partridge Cochins Exclusively. Winners at Boston, Hagerstown, Atlantic City, and Providence. At Boston, 1907, 1st cockerel, 1st pullet, 3d hen. Eggs and stock for sale. R. JOHN DAVEY, Westerly, R. I. 12-9

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Partridge Cochins. Best General Purpose Fowl. Prize-winning strain. Eggs from selected matings; \$1.50 for 15. Riverside Farm, W. F. ALLEN, Milan, Mich. 12-10

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Pure Southern Games. Inclose Stamp for Circular and reply. P. H. WOFFORD, Johnson City, Tenn. 12-8

Cornish Indians, First at Philadelphia, Hagerstown, Allentown, Harrisburg, etc. Circular G and mating list free. R. D. REIDER, Route 2, Middletown, Pa. 12-8

Game Eggs, \$1. Beauty and Utility, I. B. B. Reds, Tornadoes, Silver, Gray, Hathwoods, Cornish Indians, \$2; Whites, \$3. C. D. SMITH, Fort Plain, N. Y. 12-8

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Cornish Indian and Black Red Malay Game Eggs, \$1.50 per 15; Barred P. Rocks, \$1. Stock for sale. Inclose stamp. H. B. SWARNER, Plainfield, Pa. 12-8

Prize Winners, World's Fair, Indianapolis, Cincinnati, in Pit Games, Exhibition Games, Red Pyle, Black-breasted Red and Cornish Indian Games. Stock and eggs. WESLEY LANIUS, Greensburg, Ind. 12-8

For Sale—All My Prize Winning Standard Game. Game and Ornamental Bantams. Send for price list. Crested White Duck Eggs, \$2 setting. J. C. BLUNCK, Johnstown, N. Y. 12-8

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Games, Cornish, Indians—Immense in Size, Shape, and colors. Prolific layers. Winners bred from winners; also B. B. Reds, exhibition type, high station; reaching close whip tails. Selling eggs from grand matings. Prices low. REEVES CONDON, Rexford Flats, N. Y. 12-8

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Thoroughbred B. B. Red Game Eggs—Highest quality, \$1.50 per 15; \$2.50 per 30. AARON G. MOYER, Maytown, Pa. 12-8

Williams' "Blue Ribbon" Cornish Indians. Standard-bred show birds my specialty. Write for circular. Eggs and stock. F. H. WILLIAMS, Lyndale Ave., So., Minneapolis, Minn. 12-9

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Cornish Indians; Blood of Four First Prize Winning strains. Stock, eggs for sale. Eggs—\$2.50, \$3.50 per 15. Stamp for circular. G. R. WHITE, Eaton, Ohio. 12-9

Twenty Extra Fine, Dead Game, Fast Fighting cocks, \$4 each. 5 lbs. to 6 lbs., all colors. Muffs, Gaffs, and Mexican Calsar. DAYTON BIRD STORE, Dayton, Ohio. 12-10

Black-breasted Red Exhibition Games a Specialty. Standard shape and style. Birds and eggs to spare. Write, stating wants. E. R. SPAULDING, Jaffrey, N. H. 12-9

Money Back if My White Indian Games Fail to please you. Large, hardy, all-purpose birds; 15 eggs, \$2. M. E. KENNEDY, Temple, Ga. Route 3. 12-12

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Heavy Weight, English Black-breasted Red Pit Games; Tom O'Neil, Kentucky Dominiques, Irish Greys. Eggs, \$2 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

All Varieties, Exhibition Games for Sale. Some grand birds to dispose of at once. Eggs for hatching. Orders booked in turn. JOHN A. CLARKE, Box 112, Pittston, Pa. 13-7

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White Langshans—Won 1st Prize Langshan Pullet, Boston, 1907; won 1st Langshan eggs for best dozen; pure bred; best of winter layers; eggs, \$2 for 15. C. L. WEDEN, Pike, N. H. 12-8

Langshans, Jet Black From the World's Best; \$1.50 for 15; eggs in season. C. R. SMITH, Burnt Prairie, Ill. 12-8

Thoroughbred Croad Black Langshans. Young stock and eggs from Madison Square and Boston winners. Prices reasonable. W. B. FREEBURN, Sparkill, N. Y. 12-8

Try Our White and Black Langshans, Celebrated winners Pan-American, Hagerstown, Rutland, Syracuse, Cambridge, Poughkeepsie, Newark, Louisville, Dayton, Carlisle, Cincinnati, Lexington, Frankfort, Springfield. Great winter layers. Birds to 96. Eggs, \$2 and \$3 per setting. Expressage prepaid. GEORGE BEALER, Nicholasville, Ky. 12-8

Gardner's Black Langshans. Exclusively Prize winners and heavy layers combined. Eggs for hatching, \$2 per 15. Homer Pigeons for sale. GEO. P. GARDNER, Guilford, Conn. 12-8

Black Langshan Breeding Stock, Farm Raised, 1st prizes at Boston and other shows. Brown eggs and superior quality of flesh. C. H. SCALES, Leominster, Mass. 12-8

Black Langshans. Thirty Prizes at Four Shows. Stock for sale. Eggs, \$3 for 13. Satisfaction guaranteed. WM. SNAITH & SON, 524 Reese St., Scranton, Pa. 12-9

A Few Very Choice Langshans and Buff Orpingtons. Eggs, 10 cents each. J. T. LITTLETON, Greensboro, Ala. 12-9

White Langshans; Prize Winners from First prize birds, Chicago and Hagerstown. Mammoth Pekin Ducks, Buff Cochins Bantams. Eggs and stock. JOS. B. PRESTON, Ripley, Ohio. 12-9

White Langshans. Have Pen 6 Yearling Hens and rooster show birds, scoring from 92 1/2 to 95, to spare. Take \$15. Wonderful layers, can't be heat. FRANK PUDNEY, Kalkaska, Mich. 12-8

White Langshans. Eight Years. Eggs from Choice matings, \$1.50 per 15. Bantam eggs wanted in exchange. Must be good stock. Circular. ERNEST CROSS, Ravine, Ohio. 12-10

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Lakenvelders. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Souderton, Pa. 12-9

Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. 12-10

Lakenvelders, the Best Layers and the Most Beautiful fowl in the world; at the Madison Square Garden show, 1907, won first cock, first hen, first cockerel, first pullet, first pen; eggs for hatching, \$5 per 15. RALPH C. GREENE, Sayville, Long Island, N. Y. 12-8

Lakenvelders! Our Famous "Woxemall" Cock, winner of 7 firsts, including first prize Madison Square Garden, 1906. Eggs \$5 per setting. FORD BROS., Oak Hill, N. Y. 12-9



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Breeder of All Kinds of Polish, Silver Spangled Hamburgs and Buff Cochins Bantams. Choice stock for sale. Eggs in season. ROBERT NEUGART, Sherbondy, Ohio. 12-8

For Sale.—White-crested Black Polish and White-faced Black Spanish. Eggs, \$1.50 per 15, or \$2 per 30. HENRY HUBER, Route 1, Tadmor, Ohio. 12-9

Smith's White-crested Black Polish Came to the front years ago, prize winners. Still stay winners. Stock for sale; eggs, \$2 for 15; \$3 for 30; for prize record write R. E. SMITH, Afton, N. Y. 12-10

White-crested Black Polish; Prize Winners at Chicago, Belvidere, and Blue Island. Eggs from prize winners, \$2.50; others \$1.50. F. J. LAPP, Evanston, Ill. 12-9

White-crested Black Polish Eggs That Will Hatch, from superb stock; winners at the St. Louis World's Fair; all first prizes at the Chicago Show, 1907, and wherever shown. \$5 per setting. Illustrated catalogue free. GEO. V. TRENT, Wilmette, Ill. 12-10

Seely's White-crested Black Polish, Won Sups at World's Fair, New York, and Auburn. Stock for sale. Write for circular. CHAS. L. SEELY, Afton, N. Y. 12-10

SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

White Face Black Spanish a Specialty for 47 years. Circular and photos free. However, a stamp thankfully received. JOHN BENNETT, Sanman, Ripley Co., Ind. 12-8

HOUDANS

Houdans, Pinckney Strain, Line Bred, Winning 1907 at Central New York Poultry Association, Utica, N. Y., 5 firsts, 4 seconds, 3 thirds, 3 fourths, 3 fifths. Special prize for best exhibit of French fowl, and 5 special prizes. Some good cockerels and pullets for sale. ISABELLE D. MILLER, Box 60, Sangerfield N. Y. 12-9

Arnold Houdans and Andalusians, Winners, Suffolk County, Mineola, N. Y., and Madison Square Garden 3 shows. Eggs now ready. CHAS. E. ARNOLD, Babylon, N. Y. 12-9

My Handsome Heavy Houdans Are Extra Fine birds. As heavy winter layers, they are without a peer. Eggs are \$5 for 3 sets, and they will not disappoint you. W. D. GAY, Essex, Iowa. 12-9

Houdan Eggs from Two Carefully Selected Pens of heavy-weight birds. Eggs from pen 1, \$2 per 15; from pen 2, \$1.50 per 15. FUHLMANN BROS., Co. Roscoe and Fullam Avenue, Muscatine, Iowa. 12-9

Houdan Eggs; from Fine Stock; A. E. Jones' 275-egg strain. \$2 for fifteen; \$3.50 for thirty. CLYDE CAMPBELL, Elkland, Pa. 12-9

Houdans; Bred from Highest Scoring, and Highest record laying stock in the world. From 265 to 281 eggs, hens, and winners at World's Fair, Chicago, Hagerstown, and New York. One of my exhibition matings consists of hens all scoring over 95 points, mated to cock that sired the first cockerel and first pullet at recent Madison Square Garden Show. Guaranteed eggs. A. E. JONES, Elkland, Pa. 12-9

Houdans. Eggs, Carefully Packed, 13 for \$2. Our stock has won at New York, Springfield, Bristol. BRINKERHOFF, West Springfield, Mass. 12-8

Hansell's Houdans—Extra Fine, High Scoring stock from the best blood lines in America. Large, dark, heavy crested birds, splendid layers. Eggs, \$2 and \$3 per 15. O. C. HANSELL, Heron Lake, Minn. 12-8

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Red Cap and Houdan Eggs from Choice Stock that has won prizes wherever shown; \$1 per 13. Stock for sale. H. M. MERRIAM, Ashburnham, Mass. 12-8

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Buckeye Red Eggs for Sale, From High Scoring birds, Metcalf strain; \$3 per 15. J. G. SWAIN, Martineville, Ind. 12-9

Buckeyes. The Premier Red Breed of the world. Quality high, prices low. Stock and eggs. Guaranteed. HARRY FAUCETT, Box 8, New Albany, Pa. 12-10

Prize Buckeyes, Scoring Over 90—Hardy, Excellent mated and layers. Settings, \$3. First prize, Madison Square Garden. Stock reasonable. W. G. JUDSON, Meshoppen, Pa. 12-8

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Silver Gray Dorkings Exclusively for 18 Years. The very best, as my records show. More first prizes won last ten years at New York, Boston, and Pan-American than all my competitors combined, a total of 41 against 33. Eggs from fine matings, \$2.50 13; \$4 26. WATSON WESTFALL, Sayre, Pa. 12-8

Dorkings—White Silver Gray Colored Orpingtons, Black, Buff, White, Wyandottes, Games. Blue ribbon winners. New York, Boston, Chicago, Syracuse, Johnstown, Troy. Stock and eggs. RALPH CHANT, Johnstown, N. Y. 12-8

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Black Hamburgs and Single-combed Rhode Island Reds. Hamburgs out of my pens won the blue at Hagerstown, Md., 1906. Eggs, \$1.50 per 15. Satisfaction guaranteed. H. E. LAPP, Allentown, Pa. 12-8

Silver Spangled Hamburgs. Choice Matings. Headed by sons of first New York cockerel; none better. Settings, \$2; 2, \$3.50 no stock. WILL CLARKE, Sullivan, Ohio. 12-8

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Silver-spangled Hamburgs Exclusively. Silver cup winners at Indianapolis; gold special winners at St. Paul, Minn. Eggs, \$3 per 15. J. E. KIRCHEIS, LaCrosse, Wis. 12-10

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Fine Sherwoods! The Coming Fowl. Cockerels and pairs; good weight and excellent layers. Also ornamental ducks. Send for price list. OLIVE H. FLINT, Ridgefield, Conn. 12-10

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Incubator Chicks. Eggs for Hatching from the Waterville strain of S. C. White Leghorns. Chicks safely shipped. Descriptive circular. B. H. SIMMONS, Sherburne, N. Y. 12-8

Baby Chicks from Fishel White Rocks and Wyandottes. Price according to age. MRS. M. B. WILLIAMS, Salisbury, Mo. 12-10

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Anxious to Raise Turkeys? Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

"Goliath" Bronze Turkeys. Best Strain in Ohio. Breeder of long experience; can help you raise 95 per cent. of your hatch. Reasonable prices. Circular. MRS. R. E. FLOREA, Route 2, Wilmington, Ohio. 12-8

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Rock Holland Farm, Stone Ridge, N. Y. White Plymouth Rocks. Eggs \$1 per 15. White Holland turkeys; 30-lb. tom at head of flock. Eggs \$3.50 per 9. 12-9

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White Guineas for Sale, \$2.50 per Pair, \$3.50 per trio. Eggs, \$1.25 for 15, in season. MRS. EDWARD BROOKMAN, Fort Plain, N. Y. 12-9

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Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Pekin Duck Eggs from Ducks That Have Won first, second, and special prize wherever shown; \$1 per setting. SOUTH SIDE POULTRY YARDS, Dover, N. J. 12-8

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Duck Eggs, \$2 per 13. Rouen, Pekin, Cayuga, Indian Runner, Muscovy, Colored and White Geese eggs, 60 cents each. White China, Toulouse, Emhden, African, Chicago, Minneapolis, and St. Louis winners. DAWSON BROS., Box F, Franksville, Wis. 12-8

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Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair \$4. DR. IBA O. TYNDALL, Whaleyville, Md. 13-6

Nice, Large Pekin Ducks (Rankin Strain) Dutton W. Wyandottes, R. C. R. I. Reds. Eggs—\$1 per setting; \$5 per 100. Price list. EDW. O. GREGORY, Desk 3, R. F. D., Rockland, Me. 12-9

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Toulouse Geese.—None Better. Eggs, \$2 per seven. Circular free. Write F. D. FOWLER, Carlville, Ill. 12-8

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Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amberet, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotos, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercallies. Write for price list. WENZ & MACKENSEN, Yardley, Pa. Agents for Julius Mobr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

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Pigeons of Following Utility Stock—Bunts, Maltese Hens, Dragons, Dutchess, and Homers. 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty Street, Camden, N. J. 12-9

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Square Deal Plymouth Rock Jumbo Squab Homers; guaranteed mated; the peer of any you can buy at \$2. My price \$1.50 the pair. Single-combed Buff Orpingtons. Eggs for sale, \$1.50 a setting. Edison strain prize winners. Also breeder of O. I. C. swine. FRANK J. DUTT, 1030 Huttie Ave., Bethlehem, Pa. 12-9

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Attention! This Year We Sold Over 1,000 Birds. Have a few high-class mated Homers and odd hens left. Prices reasonable. Write SQUAB FARM, Marietta, Pa. 12-10

For Sale! Snow-white Homers, Bred from the best blood obtainable. Our specialty is furnishing these useful and ornamental birds in large or small numbers for squab breeding or exhibition. Our birds are large and vigorous, and have that bloom and beauty which is only found in stock which has been carefully bred and properly cared for. Price, \$2 to \$5 per pair. Satisfaction guaranteed or money back. Write us to-day. KANA-WHA POULTRY & PIGEON FARM, P. O. Box 167, Charleston, W. Va. 12-8

Guaranteed Mated Homers for Sale from the Oldest and highest grade squab farm in America. Capacity of farm, 14,000 birds. JOHN Y. CRAWFORD, Mt. Pleasant Pigeon Farm, Bryn Mawr, Pa. 12-9

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Raise Big Squabs (Extra Large Homers), Selected from prolific breeders. Banded and color of each pair given. No birds sold over two years old, and have raised young. Squabs average over 10 lbs. per dozen. Will return money if not satisfied, less express charges. Price, \$2 per pair. JOHN COLE, Humboldt, Iowa. 12-10

Squab Breeders. I Ship None But Mated Homers, banded; before buying call or write; the sure way the cheapest. MILTON O. JONES, Bergenfield, N. J. 12-8

Pure White Homers, 100 Pairs Mated, and Not over one year old; healthy and in good working condition. Price, \$2.50 per pair; 25 pairs for \$50; this is a bargain, as no other fancier will sell such stock for above price. H. M. MOYER, Route 2, Bechtelsville, Pa. 12-10

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Toulouse and Embden Geese Eggs, 50c apiece. Brown and White China Eggs, 35c apiece. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

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Eggs of Brown, Buff, Black, and White Leghorns, Black Spanish, Black Minorcas, Silver Penciled, and White Wyandottes, \$1.50 per setting. ALLENTOWN DUCK FARM, Allentown, Pa. 12-8

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Eggs for Hatching. Rose-combed Black Minorcas; always lay but never set; if you want eggs keep this strain. \$2.50 for 13. Address MISS BERTHA E. LEWIS, Voluntown, Conn. 13-5

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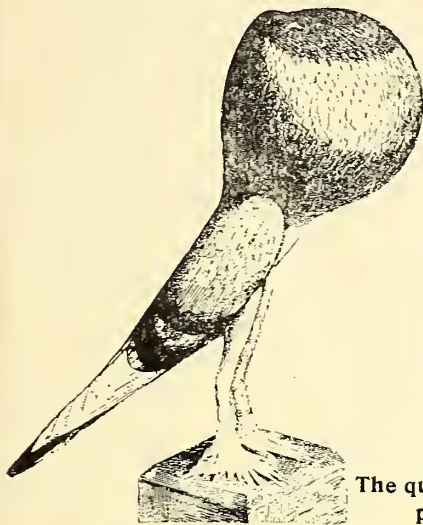
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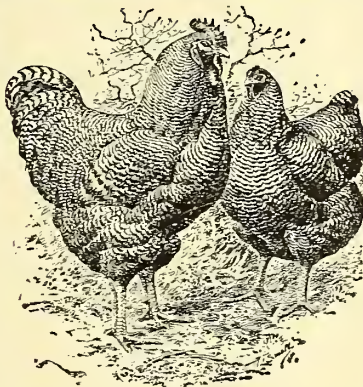
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Buff Cochins,  
Partridge Cochins,  
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S. S. Hamburgs,  
Rose-combed Br. Leghorns,  
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S. C. Brown Leghorns,  
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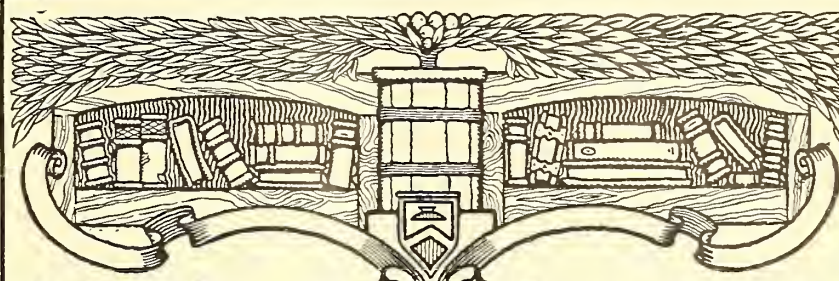
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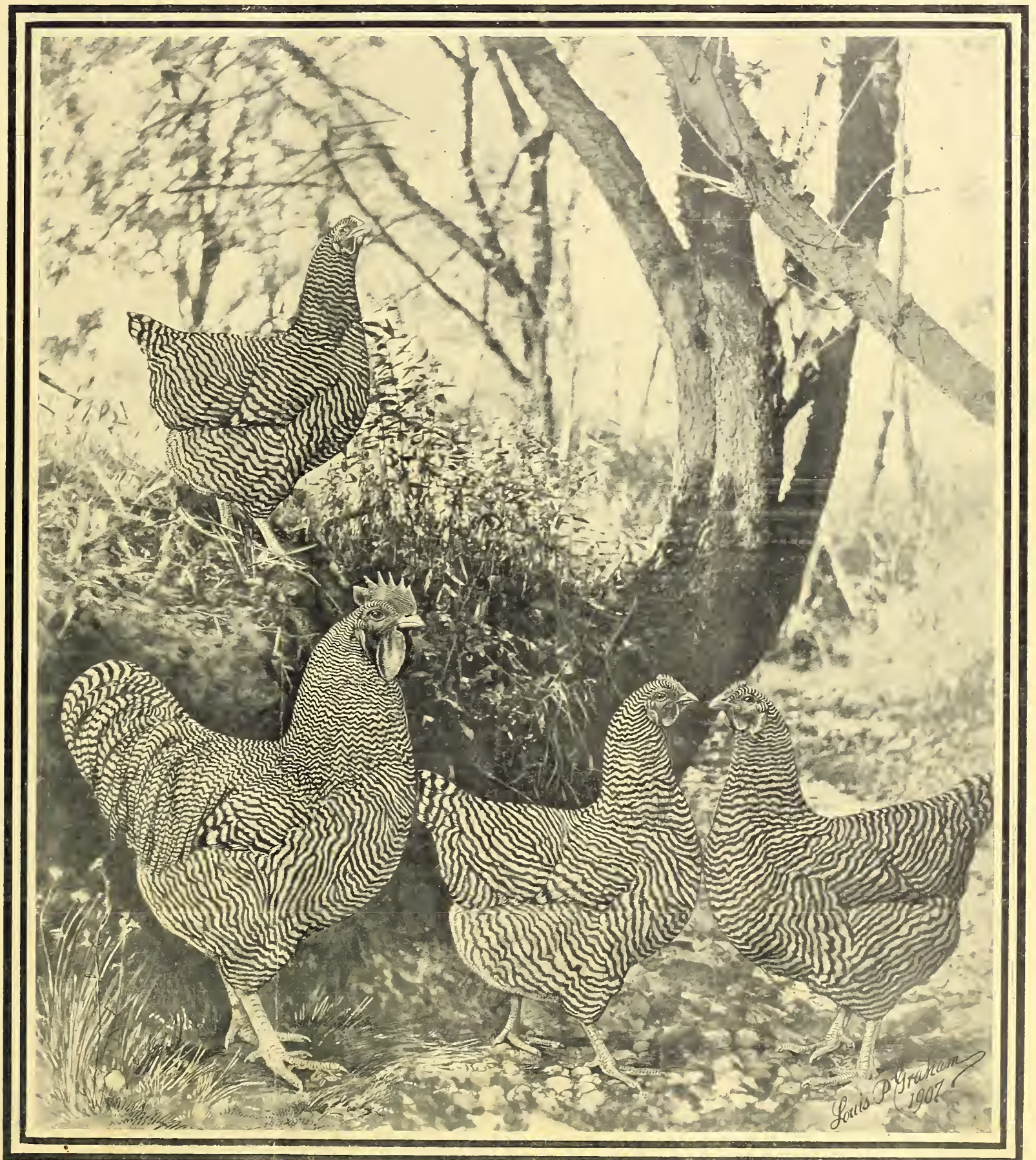
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Vol. XII No. 9  
June, 1907



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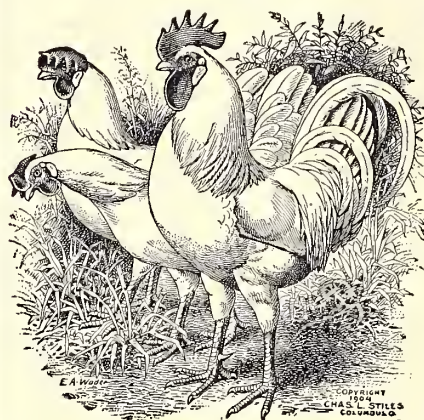


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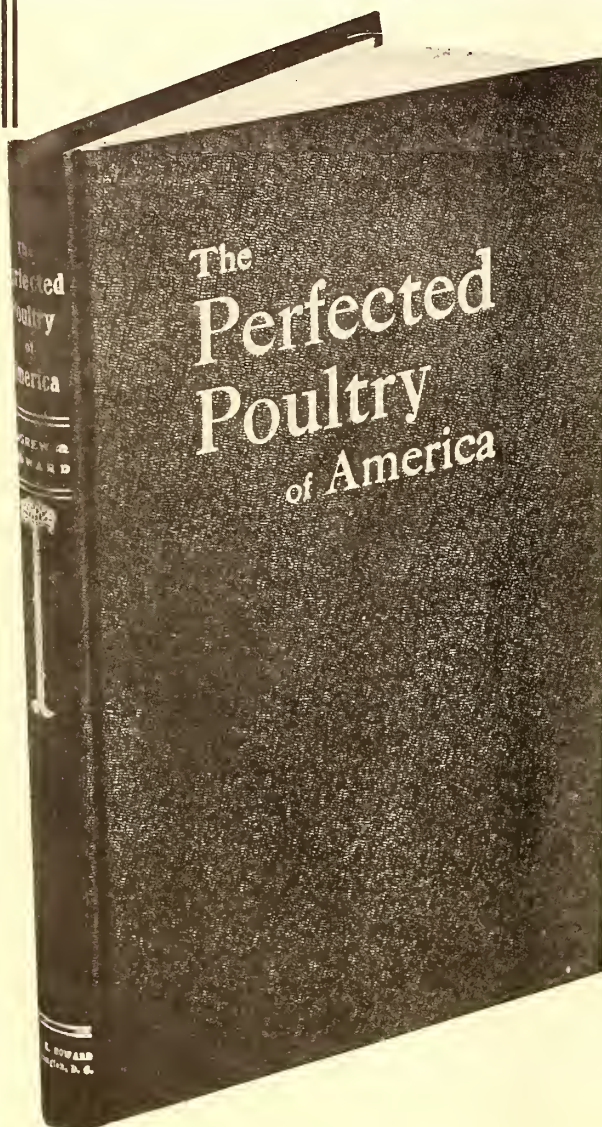
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Written by T. F. McGREW & GEO. E. HOWARD  
With Illustrations by LOUIS P. GRAHAM



HAT the poultry interests of America have long demanded a book like this can not be doubted. The great volume of literature on the subject is so disconnected, that it would be next to the impossible to trace the subject-matter with any degree of satisfaction. Therefore, the importance of having in one volume the information pertaining to the Perfected Poultry of America has long been realized by those interested in the poultry industry.

The authors appreciated this fact very fully, and began the foundation work years ago, fully understanding their responsibilities and obligations to each individual variety of fowls herein presented. It is essential for every breeder of thoroughbred poultry, desiring success, to have a better understanding of his fowls, and he should not only know their history, qualifications, and general appearances, but their points of excellence as well. To do this properly, we have drawn upon every source of information at our command, and have endeavored to present our results without partiality to any breed or variety. We have given the facts and truths of the recognized breeds of Perfected Poultry as we have found them in every day life, using living models, and personal experiences as the foundation of our work.

The illustrated portions of this book are unusually interesting, and are presented with a great deal of satisfaction. The artist has performed his work well, and his models have been the best to be found. No attempt has been made to idealize the specimens, but rather to give drawings that would be recognized and appreciated for the types of fowls to be seen in the average breeding yards or show rooms of the country. These drawings probably will be criticised in some minor details, yet, as a whole, we are satisfied they will be regarded as typical specimens of the American breeder's fancy, and will be given credit as being a truthful portrayal of breed types. As a reference book, it should prove of untold value to every breeder and fancier and by following its pages the chances of success in breeding and mating should be enhanced for the expert as well as the novice.

## Contents

### FOREWORD.

THE ASIATIC BREEDS. Brahmas, Cochins, and Langshans.  
THE AMERICAN BREEDS. Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, and Buckeyes.  
THE MEDITERRANEAN BREEDS. Leghorns, Minorcas, Spanish, Andalusians, and Anconas.  
THE ENGLISH BREEDS. Dorkings, Red Caps, and Orpingtons.  
THE POLISH BREEDS. Bearded Golden, Bearded Silver, and White-crested Black.  
THE HAMBURG BREEDS. Silver-spangled and Silver-pencilled.  
THE FRENCH BREEDS. Houdans, Crevecoeurs, and La Fleche.  
GAMES. Black-breasted Red, Brown Red, Cornish Indian, and Black-breasted Red Malay.  
BANTAMS. Silver Sebright, Black-tailed Japanese, Red Pyle Game, Duckwing Game, White, Black, Brahma, and Cochlin.  
TURKEYS. Bronze and Narragansett.  
WATER-FOWL. Toulouse, White Emhden, and African Geese, Pekin, Rouen, and Indian Runner Ducks.  
Other illustrations to be added.

## Illustrations

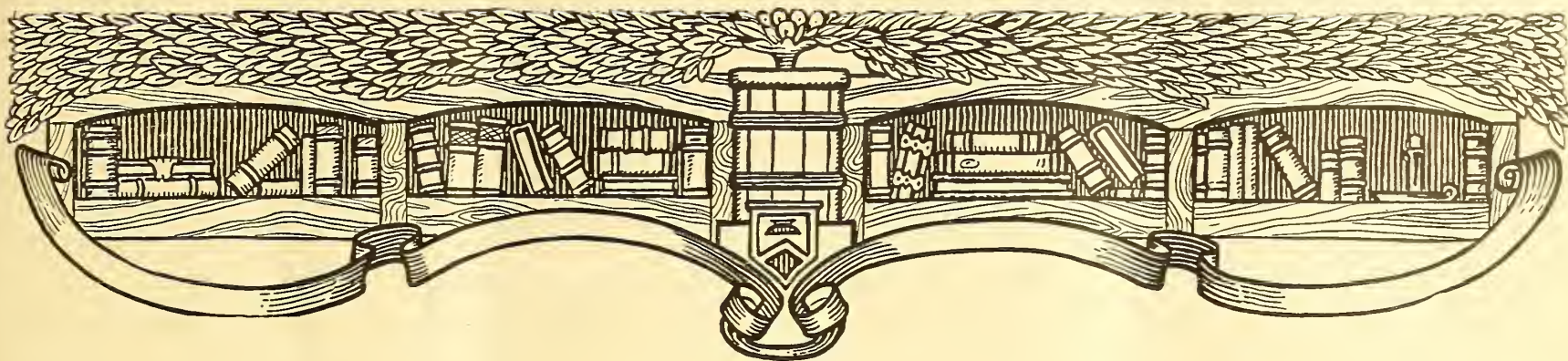
ASIATICS—Light Brahma male and feathers. Light Brahma female and feathers. Dark Brahma male and feathers. Dark Brahma female and feathers. Buff Cochlin male and feathers. Partridge Cochlin male and feathers. Partridge Cochlin female and feathers. Black and White Cochins. Black and White Langshans.  
AMERICAN—Barred Plymouth Rock male and feathers. Barred Plymouth Rock female and feathers. White and Buff Plymouth Rocks. Golden-laced Wyandotte male and feathers. Golden-laced Wyandotte female and feathers. Silver-laced Wyandotte male and feathers. White and Buff Wyandottes. Partridge Wyandotte male and feathers. Partridge Wyandotte female and feathers. Silver-pencilled Wyandotte male and feathers. Mottled Columbian Wyandotte male and feathers. Black Wyandotte male and female. Mottled Java male and feathers. Mottled Java female and feathers. Black Java male and female. Rose-combed Dominique male and feathers. Rose-combed Dominique female and feathers. Single-combed Rhode Island Red male and female and feathers. Rose-combed Rhode Island Red female and feathers. Buckeye male and female and feathers. Rose-combed Brown Leghorn male and feathers. Rose-combed Brown Leghorn female and feathers. Buff and Minorcas. White-faced Black Spanish male and female and feathers. Andalusian male and feathers. Andalusian female and feathers. Ancona male and feathers. Ancona female and feathers.  
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POLISH—Bearded Golden Polish male and feathers. Bearded Silver Polish female and feathers. White-crested Black Polish male and female.  
HAMBURG—Silver-spangled Hamburg male and feathers. Silver-spangled Hamburg female and feathers. Silver-pencilled Hamburg male and feathers. Silver-pencilled Hamburg female and feathers.  
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GAMES—Black-breasted Red Game male and feathers. Black-breasted Red Game female and feathers. Brown Red Game male and feathers. Brown Red Game female and feathers. Cornish Indian Game male and feathers. Cornish Indian Game female and feathers. Black-breasted Red Malay male and feathers. Black-breasted Red Malay female and feathers.  
BANTAMS—Silver Sebright Bantam male and feathers. Silver Sebright Bantam female and feathers. Black-tailed Japanese male and feathers. Black-tailed Japanese female and feathers. Red Pyle Game Bantam male and female. Duckwing Game Bantam male and female. Rose-combed White Bantam male and female. Rose-combed Black Bantam male and female. Light Brahma Bantam male and female. Dark Brahma Bantam male and female. Partridge Cochlin Bantam male and female. Buff Cochlin Bantam male and female.  
TURKEYS—Bronze and Narragansett male and female.  
WATER-FOWL—Toulouse male and female. White Emhden male and female. African male and female. Pekin drake and duck. Rouen drake and feathers. Rouen duck and feathers. Indian Runner male and female and feathers. Other illustrations to be added.

To EVERY ONE who in any way is INTERESTED in THE PERFECTED POULTRY OF AMERICA this book is respectfully dedicated

The first edition of this great book will be issued on July 1, 1907, and advance orders will be filled in rotation  
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## Midsummer Issues

**T**HE attention of all news-agents, news-dealers, and local agents is called to the fact that the July and August cover-page illustrations of *THE FEATHER* will be unique and something new for poultry publications. The one for July will be swans, for August, pheasants. These will be most attractive when displayed on the newstands, and will attract great attention. You should send in your orders early to the news-dealer for these two special summer issues.

The reading matter descriptive of handling domestic swans we imagine will be the most complete that has ever been published relative to the care of swans in domestication. The article on pheasants will cover the ground as completely as it can in one article, touching slightly on the care of the finer varieties in domestication and the general methods of growing them, for stocking of the range, for shooting, and for the destructions of insects and bugs which eat up the crops.

## Photographic Contest

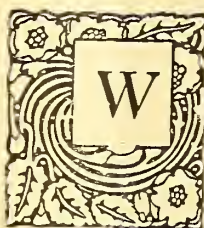
We want you to send us some beautiful photos during the coming month. We offer cash prizes for same. None of the photos to be less than two by three inches, and preferably on solio paper. If printed on other kind of paper, we prefer it to have a smooth enamel finish. All photos submitted are to become our property. This contest is to extend from May 1 to November 30, 1907. Each lot of photos submitted must be placed in an envelope marked plainly on the outside "For *THE FEATHER*'s Photographic contest," and have the name and address of the sender thereon. We reserve the right to reject undesirable photos and to select the winners. The prizes to be offered are as follows:

- Three dollars for the best photo of hen with chicks.
- Three dollars for the best photo of group of half-grown chicks.
- Three dollars for the best photo of group of old fowls.
- Three dollars for the best photo of pair of old fowls.
- Three dollars for the best photo of single bird.
- Two dollars for second-best photo in each of these classes.
- One dollar for third-best photo in each of these classes.
- Poultry, turkeys, ducks, geese, and bantams are all eligible for competition.

No photos received will be considered in competition unless they are enclosed in an envelope and marked as above described, nor will any be considered in competition that have been published in any

# SHOP TALK

## IMPORTANT FACTS



**W**E IMAGINE that the oldest inhabitants can not remember so backward a spring as the one just past. Many things have occurred to try the patience of the most ardent fancier and successful poultry grower. Now that June is here many of these unpleasant occurrences will be forgotten mid the enjoyment found in green fields, blossoming trees, and thriving chicks.

Next month will mean the beginning of midsummer. The July issue of *THE FEATHER*, from cover to cover, will be most attractive. The front cover page will be a beautiful picture of swans. In the reading matter the best methods for keeping swans in domestication will be told and illustrated. This feature alone will be worth more than a year's subscription. In the August number of *THE FEATHER* an exhaustive article will appear, telling of many varieties of pheasants and their care on country places. The front cover page of this issue will be an enlarged photograph of a pair of beautiful Argus pheasants. This feature alone should attract thousands of subscribers and news-stand purchasers for *THE FEATHER*. This and the July issue will be too valuable to miss. Every one should send in his subscription to assure receiving both the July and August issues, as there will not be any back copies for disposal after the regular issue is exhausted.

We are more than anxious to receive suggestions from our readers. We will pay Five Dollars to the person sending us the best suggestions for illustrated articles to be used in future issues of *THE FEATHER*. Suggest the title for the article with the outline of your idea. We will write the article and endeavor to furnish proper illustrations for it. We trust that many suggestions will be sent in. The editorial management of the paper reserves the right to select the winner both in this and our Photographic Contest. The selection of the winners in all these will be final.

Our new book, *The Perfected Poultry of America*, is well under way. The greater part of the entire manuscript is completed and in hand. The half-tones of more than three-fourths of the illustrations have been made, and there are more than one hundred of these. Every poultry fancier in the world should have a copy of this book. It is entirely original in its makeup, and the object lessons taught by placing the feathers from the several sections on the same plate with the illustration of the specimen itself adds untold value to the book. The subscription price is two dollars and fifty cents. Send in your subscription at once. Agents wanted for this book in every locality.

paper, book, or magazine. All photos are to become our property for exclusive use in our publications.

Photographs made by any one may be submitted providing the consent of the photographer is obtained by the sender. No prize award will be paid to any one not a subscriber to *THE FEATHER*. Only subscribers to *THE FEATHER* are to be considered in placing the awards. The awards having been made by us, no appeals will be heard.

## To Our Subscribers

We have published for the benefit of our subscribers, advertisers, and friends of *THE FEATHER* a complete list of the states

and countries where our paper goes, and from whence came the advertisements of the past year. We are adding each day to the subscription list of *THE FEATHER*. We wish to compliment our agents, our friends, and the news-dealers, and especially the subscribers to *THE FEATHER*. Those who have flocked to our aid as subscribers and advertisers we imagine have received more benefits, more good reading matter, and more information than they imagined could be contained in a given number of issues of a poultry publication. It is our purpose to give you something new each month for consideration, and we especially request that every one of you will try and send us one or more subscriptions to *THE FEATHER*.

## Later Attractions

Following the midsummer issues we will take up the following subjects. The comparison of Wyandotte shape in America and England, shown through photographs made of prize winners in both countries. We shall publish illustrations showing Wyandotte type as we understand it through standard description, and in addition to this shall take up the Black Wyandotte question and illustrate it, showing the American versus the English type.

Following this, in response to many requests, we will consider Plymouth Rock type and barring the same as the Wyandotte question will be studied in our different numbers this year. We ask every one interested in Plymouth Rocks in any of the three varieties, to submit to us a photograph of his idea of Plymouth Rock shape in all the varieties and in the proper barring of the barred varieties. If you wish to compare different ideas, and have the best possible display made of the subject, send in your photographs for consideration.

All the above suggestions have been considered as part of the series of articles on Science of Breeding. These articles will continue throughout as many issues of the paper as is necessary to cover all breeds and their several varieties. The Asiatics and Wyandottes will have been completed after one more article has been published on Brahmas and the two articles above mentioned on Wyandottes. Following this will be the series of articles on Plymouth Rocks, then will follow the other general purpose fowls.

## What Others Have to Say

"Enclosed find amount to cover one year's subscription to *The Feather*. It is not a feather, it is a peach."—G. M. Bovard.

"Enclosed find advertisement for *The Feather*. I thank you for the January number which you sent me. It came like an old friend, but better than ever."—A. N. Murphy.

"Enclosed please find check, for which insert my ad in classified list for the months of March, April, and May. I had fine results from your paper last season, and hope to receive same this season."—I. F. Schleede.

"In response to your 'pointer' in January issue, I enclose \$1. Kindly place my name on your subscription list for three years for *The Feather*. This is my favorite magazine. Up to date in every particular. My small ad in classified columns has always given me good results."—H. W. Kramer.



As announced in our April and May issues the July and August numbers of THE FEATHER will be especially attractive. In the former will be a world of information relative to handling swans in domestication. The cover page will be made from a half-tone enlargement of swans. Many other features of interest to all our readers will be contained in this issue as well.

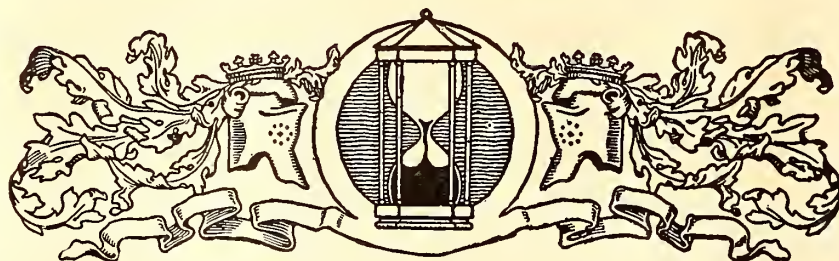
The August number will be devoted to pheasant culture. This issue will be very attractive from the fact that the cover illustration will be one of the most beautiful pheasant plates ever printed. The article on pheasants will contain a vast amount of information. Both of the above articles will be written for the purpose of furnishing advice about the every-day method of growing swans and pheasants.

Few people seem to understand that a pair of white swans, reasonably well cared for, will produce each year four young, which sell readily the following spring at from sixty to one hundred dollars per pair. A few swans may be kept in this way in numerous localities throughout the country. Seldom is success gained by keeping a number of swans in limited quarters. Both the white and pure black swans may be profitably kept in all localities if the ordinary methods for their management are followed.

Pheasants may be kept in aviaries like pigeons or bantams, or they may be reared by bantam hens and permitted to roam at liberty over farms, woodlands, and waste territory, where they learn to care for themselves, propagate, and furnish the country thereabout with a fine supply of wild game for hunting, and in addition to this they destroy myriads of grasshoppers, bugs, and worms that are so injurious to the crops in many parts of the country. Our purpose is to tell about handling swans and pheasants after this manner.

We call the attention of our readers to the photographic contest explained on our Shop Talk page. Every one is invited to join in this contest, whether they have made the pictures themselves or not. This does not matter if permission is obtained from the one who made the photographs to turn them over to us, but each contestant must be a subscriber to THE FEATHER. We hope that all our readers will realize the advantage of having first-class photographs used as object lessons in every phase of poultry culture. Send any photograph to compete in the contest that you think would have pleased your fancy in the past or might please or instruct the amateur of the future.

Published elsewhere in this paper is a list by states telling where THE FEATHER goes. Many who read this will be more than gratified to think that they have given their aid in this distribution of THE FEATHER into almost every state in the Union and to many foreign lands. We are anxious to have more agents join in this good work. We have THE FEATHER, the most attractive poultry paper published, The New Age, the great Masonic publication, twelve poultry books, the Story of the Records, which is the authentic mouthpiece of the organization of the Daughters of the American Revolution, and the book recently issued from this office, John Jaul Jones' Last Cruise and Final Resting place the United States Naval Academy. All of these publications can be handled, more or less,



## THE FEATHER

Volume XII

JUNE, 1907

Number 9

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

Single Copies, 5 cents.  
Domestic Subscription, 50 cents a Year in Advance.  
Canadian Subscription, 75 cents a Year in Advance.  
Foreign Subscription, \$1 a Year in Advance.  
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ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

Entered at the post-office at Washington, D. C., as second-class matter.

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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

by every one who reads this paragraph. They are easy to sell, attracting attention wherever they are shown. Our agency circular tells all about the commission paid for handling them.

In addition to this the greatest, most instructive, most beautiful, and most original of all poultry books is now on the press at this office, The Perfected Poultry of America, which tells of every breed of fowls that is grown to perfection in this country. It illustrates them, and in addition to this each parti-colored fowl is minutely pictured through the use of feathers from the different sections of the bird printed on the same plate with the fowl. This book sells for two dollars and fifty cents. We are now ready to take subscriptions and to permit agents to take orders for us.

The front cover page of this issue was made by Mr. Louis P. Graham from the Barred Plymouth Rocks that won the honors for the Friendship Heights Poultry Yards at the late Washington Show. These Plymouth Rocks were pronounced by experts to be among the very best shown for years. They outclassed the greater portion of the New York and Boston exhibit. The pen was fully equal to any blue ribbon pen of the past winter. These birds were photographed in the show room and the cover page made therefrom for the benefit of the readers of THE FEATHER, who are always anxious to see the real quality of the specimens exhibited in the show room.

Just as we closed our pages for the May issue the information came from Mr. Crawford, telling us that the New York Show dates had been changed to earlier in December, the dates now selected for New York being the week of December 16, 1907, Tuesday the 17th being the opening day. This will move up the New York attraction two weeks earlier than for many seasons.

Up to the present time we have no further information from the Boston Show other than the statements made during the last meeting—that is, the same week in January as last year. This is the week in which the 15th of January occurs. We imagine that Tuesday, January 14, 1908, will be the opening day for the Boston Show.

We call the attention of our readers to the fact that THE FEATHER will not be sent to any subscriber whose subscription has expired. The new laws of the post-office are most stringent relative to this point. In the first part of May the new postal laws go into effect. We must add two cents postage to every FEATHER that goes into Canada. This compels us to advance the Canadian subscriptions to 75 cents, foreign subscriptions to one dollar. We are not permitted to furnish unpaid-for subscriptions after that date. These rules are absolutely enforced here in Washington under the eaves of the post-office department. We hope that all our readers will realize this situation and be more prompt than ever before in sending their renewals. While we have but little to complain of along these lines, we wish all of our readers to be fully apprised in advance of the new rules that have gone into effect as to the postal laws of this country.

Mr. J. H. Drevenstedt is connected with the American Stock Keeper, of Boston, as associate writer. He will revive "Notes in Passing," which he originally used in the Fanciers' Journal years ago. Mr. Drevenstedt's friends are invited to address him at Red Bank, N. J. We wish the best of everything for Messrs. Atherton and Drevenstedt and the Stock Keeper.

Considerable unnecessary talk has been heard of late relative to the publication and copyright of the American Poultry Association. The following on club illustrations might well be considered by all those interested in standard-bred poultry:

### Club Illustrations



BECAUSE the White Plymouth Rock Club and the Partridge Wyandotte club have shown a disposition to print a club catalogue and to illustrate it with what they consider to be the ideal type for these two varieties, and because the Rhode Island and Red Club have already issued a catalogue with their idea of what the standard should be, some poultrymen have become alarmed, fearing an injury to the Standard. Others welcome this as evidence of an uprising against the Standard and the association which issues it.

With reference to the Rhode Island Red Club standard let it be said that one of the moving spirits in that club is likely to be the president of the American Poultry Association. One of the trusted executive committeemen of the club was selected to compile the new articles of the constitution of the association. These two men most certainly have at heart the interest and future welfare of the American Poultry Association, and will have influence in both associations for good.

Printing a description like that recorded in the pages of Red Hen Tales, the authentic catalogue of the Rhode Island Red Club, is no evidence of disloyalty to the Standard. Even though they might publish an illustration of the fowls it would not be done having in mind an injury to the mother association. The American Plymouth Rock Club had their own ideal illustrations of the Barred Plymouth Rock prior to the illustrating of the Standard, yet the members of the American Plymouth Rock Club were most active in selecting the ideal illustrations that are now being used in the Standard.

The outline of the six Plymouth Rock illustrations used in the Standard are identical in shape as far as male and female Plymouth Rocks can be drawn. We do not imagine that any one would consider for a moment the proposition of illustrating a different type for the several varieties of the American breeds. If a different ideal of type for each Wyandotte were presented, what would be the result? Nothing but chaos could possibly come of this.

Over twenty-five years of careful attention devoted to the betterment of the Standard and to the improvement of all the fowls described therein have influenced the writer toward establishing lines broad enough to comprise every reasonable demand for improvement, at the same time it has taught the necessity of confining Standard description within limits that would make it possible to explain all the varieties of each breed under one shape description.

Going to and from the meetings of the association and the expense incurred while there has cost the active membership of the association many more thousand dollars than will ever be known. This expenditure has been made largely in the interests of all those who breed fowls for exhibition. If each club that represents a variety should propose a standard of its own and present an ideal illustration, there would be numerous descriptions and pictures of all breeds. The bantams have three specialty club associations. Imagine each of these in different parts of the country asserting their demands. Suppose the light-weight Minorca faction should issue a standard and an



illustration versus the Black Minorca Club. To what would this lead? Imagine the New England Cochon shape being opposed by an association clamoring for a close feathered type. Of what value would the one kind be in the locality where the others were fostered? The very existence of the exhibition poultry is bound within the covers of the Standard of Perfection, from the fact that this is issued by the authority of an organization which listens to suggestions from all directions and selects therefrom that which has proven of the greatest benefit for all.

When an association and its publication have become so strong as to be able to say to one who has wronged their copyright that "we are willing to accept your apology and overlook this one offense," this action should prove to the world that although thoroughly fortified in their position they are not so overbearing as to attempt to injure financially one who admits an error caused through mistaken judgment.

When a member of an organization or one interested in the prosperity of an organization attempts to injure it by stealing from it, if you will, he will most certainly be but lightly regarded by the better thinking portion of mankind directly interested in the success of the organization. Secret bodies are held together not so much through the obligations taken as through the feeling of loyalty toward its welfare. There is no secret organization that has equal fellowship and an equal amount of fraternal feeling such as exists among the poultrymen of the world. Can any one for a moment consider the possibility of any man or set of men deliberately appropriating the copyrighted belongings of a national organization for their own betterment, the only reason to be given for their action being the statement that "we want our way even though opposed to the final decision of the entire organization" composed of men, some of whom are interested in every breed described in the Standard?

Having served almost continually for twenty-five years on some one of the committees responsible for the revision of the Standard, I can truthfully state that a year has never passed in all that time without due consideration having been given to the applications of individuals, clubs, and organizations relative to the wording of the Standard.

The majority of all claims that we have seen that are detrimental to Standard descriptions and illustrations have been traceable to disappointed exhibitors who thought that the proper type and color had not been selected in the show room. Can any one imagine for a moment that this can be held against the Standard or the American Poultry Association? If judges do not place the awards in accordance with the Standard description that is the fault of the judge, not the Standard. The description in the Standard is the leading authority for placing the awards. We scarcely think that there can be found within the pages of the Standard a single law compelling the consideration of the illustrations in placing awards. Most certainly not if these illustrations do not conform to the reading in the pages that describe the breed or variety. Nor will the time ever come that breeders of ability or competent judges will consent to be guided exclusively by the illustrations made by any artist.

The ideal illustrations are ideal illustrations. The natural or living specimens have more influence than illustrations. The best guide that any judge has ever had is his rule for quality.

## Some Poultry Pointers



THE value of standard-bred poultry has not become sufficiently well understood in the rural districts to change the appearance of the greater portion of the flocks.

As we pass through the country we notice more Barred Plymouth Rocks than all other varieties combined.

This is largely the result of the introduction of Plymouth Rock blood into promiscuous flocks, the dominant influence of which has imparted to a large per cent. of our farm poultry the Barred Plymouth Rock markings. No other one fowl would have the same influence over promiscuous flocks as has the introduction of the Barred Plymouth Rock males.

Yet with all this, not more than one-

try flocks of the world. In Germany, England, France, Holland, and, in fact, all countries where poultry is grown, you Barred Plymouth Rocks was indigent to the locality. One might imagine that the barred Plymouth Rocks was indigent to the farm flocks of this country. When, however, we come face to face with the claim that not more than five million of all grown were of one kind or character of standard-bred poultry, we must admit that the infusion of quality has been almost a failure.

The consideration of this brings us face to face with the proposition, which is the most profitable, standard-bred or mongrel-bred poultry? We, of course, without hesitation, claim that all superlative qualities are vested in the standard-bred varieties. Admitting this beyond all perad-

to warrant the consideration? If egg farming is the most profitable, then those interested in keeping poultry should each and every one of them cater to the egg production therefrom.

The most interesting publication just to hand from Australia, gives full details relative to the egg-laying contests of the island. More eggs have been produced by the hens entered in these egg-laying contests than was ever before recorded. Every pen of birds that has been able to produce eggs sufficient to attract attention to them have all of them belonged to some one of the standard breeds.

As long as no other kind of hen can produce even half as many eggs in a year as has been produced by standard-bred varieties, where can there be any argument in favor of the mongrel hen for egg production?

If the production of eggs is the most valuable branch of poultry culture, how can any one who may be engaged even to a greater or less extent in their production be so short-sighted, so foolish, so careless, or so neglectful of their own interests as to brush aside the only valuable feature of success, and to hold on to the



RHODE ISLAND REDS, BRED BY IRA M. CROWTHER

fourth of the live poultry that comes into the market is branded with this valuable influence.

We have records to prove that over five million farmers are interested sufficiently in the cultivation of poultry to report their success to the census taker of 1900. It is reasonable to presume that if five million reported, half as many failed to report, giving a supposed total of over seven million directly interested in poultry. Of all these, but few, we imagine, even know or care whether any other than what they keep would prove more beneficial to their interests.

A statement has recently emanated from the Commission of New York City, crediting not more than five million in value to what was termed thoroughbred poultry. This statement means that there is owned not more than five million fowls of standard varieties as against some two hundred and eighty million of poultry grown each year.

If we accept this as a natural basis for consideration, we must admit the slow infusion of quality into the ordinary poul-

venture, is it not a pitiful condition when we must admit that two hundred and eighty million of each year's product are mongrel-bred, while but five million are standard-bred?

We of the American Poultry Association, the managers of poultry publications, the coworkers with the advertisers of the land, must feel that we have not even disturbed the surface of the soil under which is hidden the desire for improved poultry. In answer to a query, "Which is most profitable, egg farming or broiler raising?" at the recent gathering in the interest of poultry, the answer, "Egg farming," was given. The reason for same was that eggs are a necessity, while chickens are considered more of a luxury, and the demand for the former product is greater than that for the latter. Egg farming is profitable all the year around, while broiler raising is a winter occupation.

With this answer to the problem, what shall we say of the farmer, the poultry grower, large or small, or the fancier who keeps his poultry during the entire winter without securing sufficient eggs from them

mongrel product, which scarcely ever pays for its keep.

If the cultivation of well-bred hens can be made profitable in one locality, success to a greater or less degree should come to any locality where they are properly managed. Mr. A. B. Cook, of New England, claims that three hundred well-selected hens, properly managed, will net a profit of \$500 per annum. This statement is based on his own personal knowledge, gained through the experience of keeping hens for the production of eggs for market in New England districts. A hen that produces one hundred and fifty eggs in a year will produce those eggs at the cost of two-thirds of a cent per egg in food consumed during the year. Two-thirds of 1 cent per egg is 8 cents per dozen. Eggs should be produced in any locality at this cost, providing the hen produces one hundred and fifty eggs per season. On this basis of calculation, every one can figure their own per cent. of loss or profit from keeping a lot of hens.



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Per Set, Duck Eggs.....\$1.25 per 11  
Toulouse Geese Eggs.....40c. each  
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PULASKI, N. Y. 13-3

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## The Best Breed

(Written expressly for THE FEATHER by Mrs. E. B. Englert, of Willow Brook Poultry Farm, Scappoose, Ore.)



PEOPLE so often write and ask me personally what breed is best. That is hard to determine, as there are so many good breeds. In fact, my answer to them is, that the best breed is the breed you most admire, then give it your best care and attention. I keep only three varieties of what I consider the standard breeds, although I admire several other breeds, yet if I wanted to be selfish I would only recommend the varieties I keep. Of the three varieties I sell more Barred Plymouth Rocks than any other, probably because they are better known and look better on a rough and tumble farm where too much time can not be spent keeping their quarters clean, for their plumage does not look so soiled as White Rocks or Buff Orpingtons.

But where people take real pride in the appearance of their farm yard, the White Rocks look lovely if kept in clean, dry quarters, with straw and chaff for scratching pen and shed and dropping boards in their sleeping apartments. No fowl looks well or does well if its plumage is soiled and rumbled, and no farmer should keep fowls who does not care enough to take the proper care of them.

They should not be allowed to run at large when the weather is wet and stormy, nor yet in cold weather to freeze their feet and combs. Living where I do, I am never anxious about frozen combs and feet, for in the fifteen years I have lived here I have not had one bird frozen or mutilated by freezing. Any one living in Oregon and not having handsome birds, certainly does not admire the feathered tribe, as it is so easy to keep them nice if one tries. And yet when I first came here very few people had anything but about a dozen mixed up chickens, and considered them hardly worth the wheat they consumed. They are learning better, however, and branch-

ing out into larger flocks and more pure-bred stock. I have a pen of Hazlewood White Rocks. Their ancestors were winners at the Lewis & Clark Fair in 1905, here in our beautiful city, and I find them very prolific as well as beautiful. June pullets commenced laying in January. The White Plymouth Rocks and Buff Orpingtons have laid a great deal better than the Barred Plymouth Rocks this winter for some reason, but as I keep the Orpingtons and White Rocks in yards and let the Barred Rocks have the run of the farm that may be the reason, for we give them all excellent care.

I often read and hear about fowls getting too fat to lay. I find there is little danger of pullets or yearling hens getting too fat if fed all they will eat of bran, middlings, and barley mash in the morning, and raw vegetables all day, such as beets, carrots, or cabbage, and whole grain at night, or grain mixed in a scratching shed in the morning and the mash at night. I found the former plan very successful and let them scratch and wallow in dust baths, which ever they pleased. They generally find plenty of scratching to do in this country hunting for angle worms and do not need a scratching pen quite as bad as in colder climates.

While this winter has been unusually severe, I have had no frozen combs or toes, even among my broilers for early spring market, hatched in December. They are nice and plump now in February, and will soon go to grace the epicure's table.

My advice is to feed liberally as I have described for winter eggs, and in cold climates meat scraps or green cut bone will take the place of bugs and worms to be obtained in the summer. I had much experience in poultry in Nebraska, where I kept several varieties of pure-bred fowls and kept them housed on stormy days, feeding green cut bone, and had very few frozen combs and feet, and a full egg basket.

## The Jamestown Exposition

We have received a letter from T. S. Southgate, Governor Division of Exhibits, Jamestown Exposition, Norfolk, Va., in which he states that Mr. John A. Murkin, Jr., has been appointed superintendent of the Jamestown Exposition Poultry Show, to be held on the Exposition Grounds, Norfolk, Va., October 2 to November 1, 1907. He also states that they propose to make this a most important feature, fully realizing the value of the poultry industry to the people of the United States, and that they intend to cooperate with Mr. Murkin in every way to make the show one of national importance.

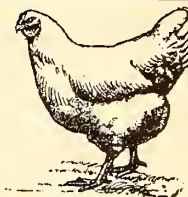
In our issue of April 1 we published the following:

The poultry show of the Jamestown Exposition, to be held October 22, will have entry fees as follows:

1. Single specimen cocks, hens, cockerels, and pullets, \$1 each. 2. Breeding pens—One male and four females, to be made up of young and old birds, or both, \$3 each.

Cash Prizes—Single entries in all varieties: (a) Eight entries in class: 1st, \$3; 2d, \$2; 3d, \$1; 4th, 50 cents. (b) Four entries in class: 1st, \$2; 2d, \$1; 3d, 50 cents. (c) Two entries in class: 1st, \$1; 2d, 50 cents. 2. Breeding pens: (a) Four entries in class: 1st, \$4; 2d, \$2.50; 3d, \$1.50. (b) Two entries in class: 1st, \$3; 2d, \$1.50.

This schedule may be changed in the future, but up to the present time it is thought to be what the management will offer.



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## SHIPPING "DAY OLDS"

Is the title of a little booklet, which we have just published, by J. Leon Hoffman, and will be sent FREE to those interested.

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CHAS. STAAB F, Peapack, N. J. 13-5

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Baby chicks.....20c each  
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Write me your wants and I can please you.

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Will be pleased to purchase fowls of all kind for you in England.

Reference, this Page 11

## 1907 Giant Strain Light Brahmas 1907

"Again Lead All at New York and Boston"

At Madison Square Garden, New York, January 1-5, 1907, on only eleven entries, won 4th cock, 2d, 3d, and 5th cockerel, 1st, 3d, and 4th pullet.  
At Mechanics Hall, Boston, January 15-19, 1907, won 1st and 3d cock, 3d and 5th hen, 1st, 2d, 5th, and 6th cockerel, 1st, 2d, 5th, and 6th pullet, and 1st Exhibition Yard; also the \$100 Cup for best male and the Greenholme Cup, and cash specials for best display and for best cock and four hens, and for best cockerels and four pullets. A grand lot of Brahma Cockerels and Pullets to spare.  
White Wyandottes, Promoter Strain. Fifty large fine Cockerels for sale at a bargain. Write for prices.  
Brahma eggs \$5 per setting.  
W. Wyandotte eggs \$3 per setting.

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YARDS AT WOODVILLE, MASS. 13-4

## To Cure Lame Fowls

OME unknown fancier asks the Farmer and Breeder the following question, which is so well stated, and so satisfactorily answered, that we copy same for the benefit of our readers:

"A Reader asks: What is the trouble with my chickens? They go lame in one leg and limp around a few days, sometimes several weeks, then die or recover. I have examined them carefully for rheumatism or sprains, and can find no swellings or inflammation. There seems to be nothing wrong with their feet, as shanks, as well as feet, are clean and healthy-looking. Is this leg weakness? The trouble seems always to be in only one leg. Have lost several half-grown chickens with the complaint. If you can tell me the name of the sickness and the cure, if there is any, you will greatly oblige me.

"If the trouble you mention is in one side only, the right side, your birds are very likely suffering with liver complaint or inflammation of the liver. Fowls suffering from this disease are very apt to limp, favoring the right leg. Usually, in congested liver, there is a yellowish tinge to the face and skin of the bird, and the droppings take on the same hue. First of all, give a good dose of epsom salts (about six grains), and ten grains of bicarbonate of potash, twice a day. This may be alternated with six grains of rhubarb. Or the rhubarb alone is good. About ten drops of nitric acid may be given birds. Don't allow the whole flock to partake of this drink, however, unless all are afflicted. Some liniment, such as would be suitable for internal inflammation, may be applied to external parts in the region of the liver, and result in some benefit. The bird may also be held over steam in such a way as to steam the afflicted region, but care must be taken not to expose a steamed bird to cold air for several hours, or death may result immediately. Keep the bird on a spare diet of bread and milk for several days, or until the limp ceases, and keep up the rhubarb treatment in gradually decreasing doses as the inflammation recedes. A bird once suffering from liver disease is liable to a recurring attack. So, when once you have them cured, it is best to dispose of them. There are other internal troubles which cause a lameness in one leg. I once had a valuable cog go lame in one leg. I doctored this leg with liniment, and bothered with him several weeks. He got thin as a skeleton and lay around a couple of months, finally recovering, apparently, his usual health, excepting he was always thin in flesh. His lameness entirely disappeared, so I felt something else had been the trouble, so I killed him and made an examination. On one side of the gizzard there was a growth as large as the end of my finger, and about an inch long. I did not open the gizzard, but I believe if I had, I should have found either a pin or a

shingle nail in this projection, which had been covered over in this way by nature to protect the surrounding parts. This projection from the gizzard was not inflamed, but perfectly natural in color. I presume the lameness ceased when this covering completely enclosed the foreign substance and prevented further inflammation. I have found several fowls having foreign substances in their gizzard which had been disposed of in this way. Inflammation of the bowels will also cause a lameness on one or both sides. If you are sufficiently acquainted with the location of a fowl's internal organs you may tell by gently pressing in the region of the affected leg, just what internal organ is affected. The color of the droppings is some guide in determining the trouble. The treatment recommended for liver disease would be beneficial in any case of intestinal inflammation excepting the acid, which should be omitted. A good liniment for external use, and salts or rhubarb internally. In rheumatism the toes are apt to be drawn up as in a cramp, or there is apt to be enlargement of the joints and stiffness of same. By manipulating the several joints one can tell by the tenderness evinced, whether the lameness is in the leg itself or elsewhere. To steam a bird, place in an open basket with an opening directly beneath the inflamed part. Hold the basket over the vessel of steaming water, and the work may be done without much inconvenience or pain to the bird, and no need of dampening her entire body. When the job is sufficiently done, cover bird carefully in the basket, and set in such a way as to keep cold air from coming in at the opening where the steam entered. Setting it on a folded cloth will answer. Liver trouble is generally supposed to be caused by lack of green food in the ration, though I have seen cases in fowls on free range in the fall. Leg weakness is found chiefly in fowls which have outgrown their strength, or in little chickens, which have been reared artificially, and hence have been weakened by lack of fresh air and exercise. I do not think this to be your trouble. Usually, in leg weakness, the bird's legs are both weak, and it sprawls and shows decided weakness while not in apparent health. If you think your birds are suffering from this complaint, give bonemeal with their food, and give a pill twice a day, consisting of one grain sulphate iron, one grain quinine; phosphate lime, five grains. Let them have no corn for a while, but give instead ground oats, wheat, and plenty of alfalfa or clover.

There is so much trouble with leg-weakness in poultry as to lead one to the conclusion that too little care was given to the selection of the stock for breeding, mating, and protecting them from damp and unhealthy conditions. Of late we have received complaints of lameness and leg-weakness in squab breeders, ducks, geese, and poultry of all kinds. Perhaps the above may assist some of our readers in the solution of their troubles.

**SQUABS** We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous PLYMOUTH ROCKS are the largest and most prolific Homers. Letters like these come every day: (Oct 8, '06) "Nine months ago I bought of you four pairs of extra Homers. I had to move them twice to make room. Have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers."

W. I. MacRey.  
We have thousands of such letters. Send for our printed matter. Start small, go slowly and learn the business. The new law in Mass. and N. Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

**PLYMOUTH ROCK SQUAB COMPANY,**  
334 Howard Melrose, Mass.

**ALUMINUM PIGEON BANDS.**  
Seamless and open. 12, 20cts 100, \$1.00. Sample for stamp.  
HARRY E. BAIR, D. F., Hanover, Pa.

**EATON'S FAMOUS POULTRY FOODS**  
CHICK LIFE SAVER SCRATCH CLIMAX MASH O PERFECTION  
Ask your dealer, or write R. D. Eaton Grain & Feed Co., Norwich, N. Y. Mention this paper. 13-5

# CARNEAUX

We have a man abroad arranging with Carneaux breeders for the best stock obtainable. The owner of Hillhurst Farm is en route to Belgium, France, and England, to inspect the birds before being shipped. We are now booking orders for the above stock. All orders will be filled in rotation as received. Try a few pair; if not as represented your money refunded. Stock, \$4.00 to \$8.00 per pair.

**S. C. ALLEN, Mgr. Pigeon Dept**  
Hillhurst Farm, Orchard Park, N. Y. 12-9

**SQUAB RAISING** **ANTWERP HOMERS SEAMLESS BANDED**  
are the best Squab Breeders. Seamless banded Antwerp Homers, one to three years old, five pairs, \$10; ten pairs, \$18; twenty pairs, \$34; fifty pairs, \$80; one hundred pairs, \$150. Aged or unbanded birds, half price. All charges prepaid, free aboard express New York. Safe delivery guaranteed; deaths on transit replaced on return of band.  
Birds will not be shipped C. O. D., but orders placed with any express agent in America will be forwarded through express company's foreign department, or remit by money order to  
**J. L. MacDANIEL, 18 A, Boite 460**  
Antwerp, Belgium 12-10



## PIGEONS PAY

You can start a pleasant, profitable business with small investment and limited space. Homer pigeons raise squabs weighing 8 to 10 pounds to the dozen, but the squabs of our Giant pigeons weigh 12 to 15 pounds to the dozen, and sell at higher prices. This illustration shows relative size of the two kinds. Various desirable Giant squab breeding pigeons are described and illustrated in our large, 24-page catalogue; it also gives information on care of pigeons and squab raising, sent for 10 cents, in coin or stamps.  
**KEYSTONE GIANT PIGEON CO.**  
354 Center Street, Scranton, Pa. 12-9



## Fresh Ground GREEN BONE

Ground Daily, right from the butcher's block. The best food for Growing Chicks and Laying Hens. Twenty-five lbs., \$1, delivered. Special Prices on larger quantities. Lawrence, 6th and O N. W., Washington, D. C.

12-9

## WHITE BIRCH POULTRY FARM, Bridgewater, Mass.

S. C. R. I. Reds, I. R. and Rouen Ducks

Beginning June 1, we shall offer some grand breeders at attractive prices. Females, one and two years old, \$1.50, \$2, \$2.50. Males, \$2.50 to \$5. Mated trios and pens at all prices. Also eggs and chicks. Write us your wants. Birds shipped on approval.

W. H. WITHINGTON, Mgr. 12-9

## NOW IS THE TIME

to buy your breeding stock, 1000 head to select from. The best we ever bred. Barred White and Buff Rocks, White and Silver Wyandottes, Brown and White Leghorns, Large Bronze and White Turkeys, Big Toulouse Geese, Embden White and Brown China Geese, Large Pekin, Rouen, and Muscovy Ducks. Largest poultry farm in Ohio. Valuable catalog, free. Stock Eggs for hatching from choicest pen matings. 43 firsts, 2 thirds, 1 fourth, and 1 fifth prize won by our birds at the big Cleveland and Akron shows, January 8th to 12th, making the two exhibits at the same time and Gold Special for best display. CHAS. MCCLAVE, Box 100, New London, Ohio. 1-5

## Greystones, Black Minorcas, and White Plymouth Rocks

Made a sweeping win at Madison Square Garden 1905, winning 8 out of a possible 10 first prizes; at Boston, 1906, ahead of all competitors, winning the display special on both varieties; at Madison Square Garden, 1907, just held, White Rocks being the banner class, it being the White Rock Club meeting, we won 14 points more than the next highest competitors; cup for best 2 cocks, 2 hens, 2 cockerels, 2 pullets, and 2 pens. Best display, Whitest Male, Best Shaped Male, Champion Male. A few grand breeding and show birds for sale. Also eggs from all our winners. Send for mating list.

Greystone Poultry Farms, Yonkers, N. Y. F. H. Davey, Mgr. 12-9

## HOUDANS

Highest scoring and highest egg record strain of HOUDANS in the world. The most beautiful and greatest utility fowl.

My Pen One consists of Hens weighing 8½ to 9 pounds and scoring 94 to 96.

HOUDANS HATCHED IN JUNE AND JULY WILL LAY BEFORE COLD WEATHER.

BONNIE VIEW FARM, G. W. Taylor, Box N, ORLEANS, IND. 13-8

## Oak Tree Poultry and Game Farm

The one hundred and thirty acre farm devoted to thoroughbred stock

IMPORTERS, BREEDERS AND EXHIBITORS of High-class Black, Buff, and White ORPINGTONS, White and Partridge Wyandottes, Japanese Silkies, Pekin Ducks, Homers, Runts, Carneaux, and Fancy Pigeons, Pheasants, Quail, Ornamental Ducks, Registered Scotch Collies, Dorset Sheep. Selected Eggs for Hatching. Write for Prices. 11

OAK TREE POULTRY AND GAME FARM

H. Archer Boies, Mgr. Plainfield, New Jersey

## Darling's Chick Developers

You want a feed that will hurry chicks along to maturity, making the largest and finest. H. J. DARST, Poultryman at Eureka, Ill., says—

"I have used food from all houses considered standard, but have yet to find anything to equal Darling's."

**Darling's Beef Meal** is a great developer. Made from fresh meat, bone and blood. 45% to 55% protein. It means fast growth, right feathering, early maturity

**Darling's Forcing Food** makes early broilers and roasters. Quickest means to the end. Made only from sound wholesome cereals. Price, \$2.00 per 100-lb. bag.

Chick Feed, \$2.50. Laying Food, \$2.00. Scratching Food, \$2.00. Beef Scraps, \$2.75. Oyster Shells, \$0.60. Mica Crystal Grit, \$0.65. All in 100-lb. bags, F. O. B. Chicago or New York. Cash with Order.

Send For Catalogue of foods and supplies. It gives all poultry particulars.

**Darling & Company,** Box 55 Long Island City, NEW YORK  
Box 55 Union Stock Yards, CHICAGO

## KEEP THEM HEALTHY

Don't lose the chicks now. Success with poultry depends not so much on the number of chicks hatched as on the number brought to maturity. They need a tonic—a medicine—a preventive of disease; something to reduce to a minimum the dangers from Cholera and Bowel Complaint, their greatest enemies during the hot months of June, July and August.

## GERMOZONE

is a germicide—the best cure for poultry diseases such as Cholera, Bowel Complaint, Chicken Pox, Canker, etc., which cause so much trouble at this time of the year, and is used and endorsed by poultry-raisers all over the world.

Give it in the drinking water twice a week. It prevents disease as well as cures, keeps fowls healthy and insures profitable, vigorous birds later in the season. You can not afford to be without it.

Price, 50 Cents. By mail, postpaid, and a copy of our illustrated Booklet, "Mandy's Poultry School" or a 1907 Egg Record, free. Send today to

**GEO. H. LEE CO.,**  
Omaha, Neb.



## The Science of the Poultry Business



HAVING been a careful reader of poultry literature, and a breeder on a limited scale for many years, I have decided that, like the science of medicine, that of the poultry business is very unsatisfactory and conflicting. The old saying, "When doctors disagree, who shall decide," is certainly applicable to our calling. True, I will admit, some progress has been made in practical poultry raising, but there seems to be so much that is contradictory written, that the average amateur or poultry farmer, is at a loss how to decide on many necessary and vital questions relative as to what he should or should not do to secure success. Naturally, each writer knows, or thinks he does, that his system is the right one, and produces his proofs to substantiate his claim. Each may be right, but if so, some one is wrong.

Until within the last few years poultry keeping was not classed as a science, but now it is admitted as such by agricultural colleges, and by many so-called scientific writers. Admitting that it is, by what are its claims proved? Webster defines science as "a knowledge of facts, events or phenomena, as explained, accounted for, or produced, my means of powers, causes or laws." Now, can the advocates of poultry science lay claim to the above, or, is this so-called "science," a misnomer, or should it be styled empiricism? First, is it a knowledge of facts? I answer, we recognize the facts, but have we a clear and distinct knowledge of them? We know that they exist, but how? We see and appreciate the many phenomena occurring in this "science," but do we understand their causes and their scientific action? Can we positively explain why they occur, and can be depended upon to produce these phenomena? We are apt to say yes, but here comes in the disagreement of the doctors; each one claiming the right of his particular theory, and yet are often widely apart as to their conclusions. Physicians of the different schools claim that their particular methods and theories are right, yet see how widely they differ. Each is able to prove the correctness of his views. Can they all be right? Science says "as explained or produced by means of powers, causes or laws."

Are all these theories explained, or are they really egotistical imaginations, and called explanations by a bigoted enthusiast? It is easy to admit that results obtained are produced by "means of powers, causes, or laws," but do the poultry scientists positively know what these "powers, causes or laws" are, and how they operate?

Poultrymen to-day are seeking positive knowledge regarding their business; they seek to know the whys of the many so-called "sure ways" of obtaining the desired results. Naturally they look to the scientists for this information, and are met with so many theories not based on

scientific reasoning, that they turn from them with disgust, and let nature have her sway. Now I do not propose to argue with the able writers, as to whether they are right or wrong, but am seeking for positive methods, made so by proper scientific investigation and proof; methods by which we shall surely secure success if followed up properly. Many of us poultry breeders have followed the advice of the so-called experts in the business, and the result has been nil. We have said "it is not for us to reason why, but to simply do and die." We depended on the teachings of our professors, but learn by the experience that they are not infallible. To whom shall we turn? We have seen the chicken dissected and explained from bill to tail feathers; the egg and its elements analyzed; the necessary proportions of foods explained, and their relations to the proper development of the fowl, and the production of eggs; we have prize articles without number of the "proper" mating of fowls; the methods of "producing winter eggs," the "best" methods of feeding, "the only reliable way of determining the laying hens," "the reason of so many failures," "the best breed," the many so-called "cures," and other kindred topics, until we are lost in this chaotic sea of "scientific" knowledge. Finally we fall back on our own knowledge, gleaned from experience, without knowing the reason why. While this may be sometimes personally satisfactory, yet it can not be considered so by those who are seeking for positive facts, and have not the time or means to wait for that experience.

As an illustration, take "Incubation," natural or artificial. The many explanations of this natural law are very ambiguous, yet the theories advanced are very contradictory. Only to-day the writer read an article on the subject of the "Turning of Eggs," in which the author says: "It is not necessary to turn eggs to secure a hatch." Now how widely this differs from the teachings of the manufacturers of incubators, and also from many practical breeders. A theory is advanced to prove his assertion, presumably a scientific one, but it does not show the complete or positive knowledge of science.

Again, review the many reasons published "Why chickens die in the shell," then scratch your head to see, after reading them, you really know any better reason why they die. Theories are not facts, nor do they constitute science. A person with a biased mind may satisfy himself that his opinion is right, but can he prove it by scientific facts? A few years ago the writer made a very exhaustive collection of the embryo chicken in its growth within the shell from the second to the twenty-first day. From the study of this, many important facts were gleaned which were practical and easily demonstrated. Each day's growth was carefully studied, and the progress was almost identical in each egg, unless some of nature's laws were violated or ignored.



This collection was made with the idea that something practical might be evolved, and the science of incubation made plainer. The investigation did make some facts more easily understood, and explained the causes of failures which had hitherto been a mystery; and yet, there were many phenomena which remained, and still are, matters of much speculation. The task was entered into for personal gratification, but was far from satisfactory. Much has been written on this subject, but yet it is still very imperfectly understood, or at least that its knowledge can be depended upon for positive, practical use.

Another subject on which a great deal has been written is, selecting the profitable hen as an egg-producer. Review this literature and note the "positive" theories of the authors. "Ancestors," "shape," "methods of feeding," "specific anatomical features," each one a sure thing. Do these theories constitute science? If so, then they are misnamed. 'Twas only recently that in reading an article on "Feeding for Eggs," I found this assertion: "The egg-production of a hen must depend entirely upon the surplus food consumed by the hen for their formation." Now just here this writer ignores the fact promulgated by another eminent authority who says: "All hens do not lay, and can not be made to lay eggs, as they are (so to speak) not anatomically formed for this purpose," therefore their habit of not laying could not be changed by "the surplus food, etc." One says, "feed a mash," another advocates "dry hopper feeding" as the only sure way. Each one has his own particular method, but none of them demonstrate positively by scientific deduction, why they are right.

A new method of determining which was the profitable hen by the formation of the pelvic bones, was denounced by a

writer (who was considered as authority) as "absurd." We see many of these advertisements: "How to make hens lay." Column after column of "Proper feeding for eggs," and yet how little dependence can be placed upon them, because they lack positive science or knowledge. And so on *ad infinitum* we might go on touching on these many variations of the science of the poultry business. It is not our wish to disparage the attempts of the many writers on all these varied subjects; for we are seeking for information, and that of a positive character, based upon and proved by genuine scientific knowledge as gained by competent investigators.

We amateurs are confronted almost daily by hundreds of advertisements purporting to be absolutely certain to produce the results desired, but we become skeptical of them all, for the reason that so many are "weighed in the balance and found wanting." We are not willing to denounce all of them as "fakes," but from the expressed opinions of many of our so-called scientists, they are not worthy of our attention or trial. Our desire is to separate the wheat from the chaff. Is there anything left open for us but our own personal experiences, until the science is proven and the facts given us as positive? We admit there are many engaged in the poultry business who have made it profitable by engaging in specialties, or from sheer good luck, but the average poultryman seeking to earn an honest living from the business, is seeking knowledge of such a character that he is not compelled to spend a lifetime in order to acquire it. Then and not until then, can the poultry business be termed a science. You will pardon me for trespassing on your valuable space to acquire this necessary knowledge, but my excuse may be summed up in a short sentence: "All these things have I followed from my youth up (without success). What lack I yet?"—J. H. Casey.



## Our Cover-page Illustrations

The beautiful front cover-page illustration was made by Mr. Louis Graham from photographs taken at the late Washington show of the Barred Plymouth Rocks shown by Friendship Heights Poultry Farm. This pen of birds attracted the greatest attention for their excellence of quality and for their unusual attractiveness. This page is presented as a sample of the work to be executed in the future for our cover-page, showing the beauty of nature as a background, with the fowls placed against it as though wandering in the fields connected with the farm at Friendship Heights. When we say farm, we speak advisedly from the fact that this beautiful tract of ground has been laid out for the purpose of housing the different varieties of poultry kept here for the pleasure of the owner. The land is bordered by a little stream that curves gracefully beneath the banks, forming natural coves where waterfowl are kept. At the Washington Show last winter Friendship Heights Poultry Farm won the honors not only on the beautiful Barred Plymouth Rocks illustrated on the

cover page, but they also won first and special on White Wyandottes and Light Brahmas, with some unusually fine specimens. A few of each variety only are kept at these yards. In addition to the breeds mentioned, they have some beautiful bantams of several kinds, and some White Holland turkeys.

During the past winter we have given illustrations of fowls owned by several breeders throughout the country. We hope the coming season to do much better in this way than ever before. The cover page of this number and the July and the August issues will, we think, prove exceedingly attractive to all who may be fortunate enough to see THE FEATHER. We call the attention of the progressive fanciers to the possibility of having their stock shown upon our cover page even in more tasteful designs than anything we have yet been able to present. Any of our readers who may wish to have their poultry pictured in this very pleasing manner should make immediate application to the office of THE FEATHER, so as to reserve the months desired, following the August issue.



## Birds, Poultry, and Poultry Supplies

Young Parrots and Canaries just received from abroad. Maltese and Angora Kittens. Incubators, Brooders, and Eggs to produce the Chicks. All to be had of the best quality, at

EDWARD S. SCHMID'S

712 TWELFTH STREET N. W., WASHINGTON, D. C.

Sole Agent for D. C. for the Prairie State Incubators and Brooders. Bone Grinding Machines, etc. Send for my illustrated catalogue.



Box 7

**GAPES** will kill some of your choicest chicks. Why allow this when **International Gape Cure** will not only prevent the disease but cure the worst case? We will cheerfully refund your money if it does not give satisfaction. 50c post-paid.

POULTRY SUPPLY DEPT.

INTERNATIONAL STOCK FOOD CO., Minneapolis, Minn. 12-10



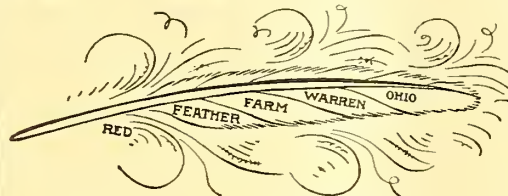
## Martin's Regal White Wyandottes

### JUNE REDUCTION

After the first of June I will sell eggs from my 10 prize pens at \$3 per 15, \$5 per 30. This is an excellent chance to get acquainted with the Regal Strain at small cost. Order from this advt., because all orders are filled in rotation.

JOHN S. MARTIN Box H Port Dover, Canada

12-9



## Best Buckeyes in the World

40 scored from 90 to 95 by Orr and Sites Mated for the 1907 Egg Trade. Get the best from the Originator

Mrs. Frank Metcalf

Red Feather Farm Warren, Ohio  
Circular and Club Booklet Free tf

## EDGEWOOD FARM

GEORGE B. INCHES, Proprietor

SILVER GREY DORKINGS

COLORED DORKINGS

ROSE COMB BROWN LEGHORNS

NELSON VAUNDELL, Jr., Poultry Manager,

North Grafton, Mass, U. S. A.  
13-4

## I. K. FELCH & SON NATICK, MASS.

Have for fifty years bred as fine

Light Brahmas, Barred and White Ply. Rocks and White Wyandottes

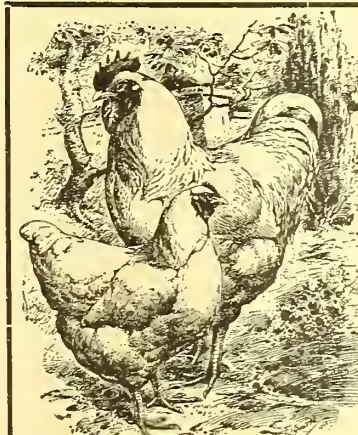
as any living breeder in America, and this year their birds are as fine as in any previous season, when

101 ENTRIES WON 87 PRIZES

for their patrons, for they never exhibit nor do they steal the awards made to patrons. For circular send to

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I. K. FELCH & SON, BOX 234, NATICK, MASS.



## SPECIAL SALE

Never in all the thirty years I have been breeding poultry have I offered such great bargains as I am offering in my SPECIAL SALE LIST just issued.

### U. R. Fishel's White Ply. Rocks

are known the world over as the most beautiful and profitable fowl there is. Excellent egg producers, as a table fowl, perfection, while as exhibition birds there is no strain to compare with them. Remember I have bargains you can not afford to pass up.

### The Special Sale List is FREE

it describes just what I am offering you, giving prices, etc. You can not afford to miss this sale.

Have you a copy of my New Catalog, the finest poultry catalog ever issued? Send two dimes for a copy. Remember the U. R. Fishel White Plymouth Rocks are "THE BEST IN THE WORLD."

EGGS HALF PRICE NOW.

U. R. FISHEL

Box F

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HOPE, IND.



**GINSENG** Will clear you over \$200 per square rod. Easily grown. Roots and seed cheap. Book "D" free. 12-12 T. J. STOUT, EDINBURG, IND.

**PROF. JOHN EVANS & SONS' REMEDIES, FOR** Roup, Rattling in the Throat, Canker, Chicken Pox, Scaly Legs and Frozen Combs, have no equal. Price 50c Box. Send for our Circular of Columbian Wyandotte. Meshanticut Park, E. I. 12-12

## WHY HATCH EGGS?

**BUY LIVE CHICKS** EGGS Preferred  
S-C-W LEGHORNS — Best Layers  
Strongest fertility — Hardest Chicks  
Send for Booklet.  
GLENOLDEN POULTRY YARDS Glenolden, Pa.

## BABY CHICKS

We ship thousands each season. Nine different varieties at reasonable prices. Full count and healthy chicks guaranteed. Are booking orders for spring delivery. Send for booklet and testimonials.

**FREEMPORT HATCHERY,**  
1f. Box F, Freemport, Mich.

L. H. PERRY, Breeder of R. C. White Leghorns, Buff Plymouth Rocks, C. rniolan-Italian Cross, Bees and Queens.

Rose Comb White Leghorns (Nugget), Buff Plymouth Rocks, First, s-cond, and third prize winners at N. Y. State Fair, Maine State Show, big Auburn Show, Ithaca, etc. Choice breeding and show birds at honest prices. Young stock in August. We please our customers by honest treatment.

L. H. PERRY  
Route 11 Clay, N. J. 13-5

## The Clearview Families

**WHITE WYANDOTTES**  
**BUFF ROCKS**  
**BLACK ORPINGTONS**

If interested in any of these varieties, write for circular and mailing lists.

H. L. MAPES,  
13-5 Clearview, Mt. Lebanon, Pa.

**FOR SALE** Washington, D. C., Maryland and Virginia real estate, farms, country homes timber tracts: historical estates, "poultry farms and small tracts." Washington City Real Estate Sale and Rent. Write what you desire; Bull:etin Free;" 1000 bargain homes, \$1000 and up.

**BOOTH'S FARM AGENCY**

"Ouray Bldg." Washington, D. C. 1f

## THE OAKS

Eggs for spring hatching booked now if accompanied by the cash. Get in line and get the best. Nothing better than my "finest on earth" White Rocks, and Col. Wyandottes. Eggs this season have been reduced to 15 for \$1.50, excepting my exhibition pen of Plymouth Rocks; they are \$5. When you get mine you get the best. Send for my circular, its worth dollars to you, but is free.

Clarence F. Bruton,  
Box 337, Sikeston, Mo.  
13-5

**THIS IS TO CERTIFY** that I have sold to Mr. JAMES EDWIN AVERY, Beltsville, Md., Proprietor of the

**BELTSVILLE MARYLAND STOCK AND POULTRY FARM,** all our

Prize Winning "Single-combed Brown Leghorns" at the leading Eastern and Southern Fairs, and recommend all our friends and patrons to him.

ROLAND C. BOOTH  
BROWN LEGHORN SPECIALIST  
Washington, D. C.

13-6

## SUCCESSFUL POULTRY JOURNAL

FRANK HECK, EDITOR.

Subscription Price 50c Per Year.  
Write for Advertising Rates.

The most prominent and successful practical poultrymen write for the "Successful Poultry Journal," and tell how they build their houses, mate their fowls, manage their incubators, feed both young and old, and, in fact, tell how they succeed and make money. Send for sample copy.

**Successful Poultry Journal**

355 Dearborn Street, Chicago, Ill. 1f

# Breeding and Feeding Bantams



SPRING has come and has brought with it a lot of work for the poultryman. The first thing to do is to provide good shelter, next comes mating the birds for best results. If you want good, strong, healthy offspring, keep your birds scratching at all times, and in the real hot days see that they are provided with fresh, cold water, at least three times a day, and if possible let them out on a grass run for at least one hour a day. The worst thing for bantams are the wet and windy days, during which time they must be kept indoors.

For rearing bantams I prefer to use Cochin Game or Japanese bantams, any of them being good mothers. If you are short of bantam chicks, a very good way to do is to take a large hen (that is, of the light variety), and set her and a bantam on the same date. When chicks are due, place all of them with the bantam and throw the big hen out. The best thing to do when the bantam chicks are coming out is to take them away so they won't be squashed by the hen, or if you do not do this, at least take all the egg shells out of the nest, so that when a chick is coming out of an egg another half shell does not cover it and smother the chick.

About twenty-four hours after the chicks are all hatched let them pick in hay seed for about two hours. The hay seed keeps the bowels open and gives the chicks an

appetite. After this feed a little hard boiled egg and ground oatmeal. The best thing to do is to keep the old hen and the chicks in a dry box for about a week until they are strong enough to be put outside, where it is dry.

The cheapest way to prepare food for young bantams is to get a feed mill with which you can grind corn, wheat, oats, barley, rice, etc. Keep fresh water before them at all times, and if you can arrange it try and feed the mother hen before you feed the chicks, because if she is very hungry she will eat everything before the chicks get enough.

The most important thing in rearing bantams is to keep them free from lice. Bantams can stand the cold better than lice. Therefore examine your chicks at least once a week, because if you let them go any longer you will not have any bantams to take care of in a short time. If they droop their wings or do not eat, treat them for lice even if you can not find them.

After they are old enough to roost and the mother hen leaves them, the best thing to do is to separate the cockerels from the pullets, because if you do not do this the cockerels keep on tormenting the pullets, and sometimes do not come far from killing them.

The next thing to do is to cull your flock and when the fall shows come on and you have been successful in rearing your flock and have the stock, then you will carry home the awards for your season's work.—Henry J. Weiss.

## News from Australia



**W**HILE the egg-laying contests in Australia have all closed, the latest information we have is the record at the close of ten months, at which time the following varieties were in the lead.

In the New Zealand contests, Silver Wyandottes in one, White Leghorns in the other; Queensland, White Leghorns; Western Australia, White Leghorns; Western Australia, duck competition, four to a pen, Indian Runners; Western Australia, second competition, Brown Leghorns; Victoria, White Leghorns; the great Hawkesbury competition, the origin of all, Langshans (black, we presume, the variety not being mentioned); in the Ryde contest, Buff Orpingtons; Rochdale competition, White Leghorns; the Great Australian Hen duck-laying contest, Indian Runners. As soon as all these have finished for the year we will give a full report.

We notice that the color demanded for Buff Orpington Ducks in Australia is pure buff throughout, free from all markings, some allowance to be made for light feathers in flights and dark heads and necks in drakes.

In answer to a request sent to the Australian Hen to publish the standard for Wyandottes and Mediterranean fowls, they replied that they had no space to allow for such publication, that the one seeking the information should buy a Standard. This we call being faithful to the publishers of the Standard, even though the standard of that country is not published under copyright. It is refreshing to see that the publishers in that country stand by their colors and the interest of standard makers, even though they might freely print the information.



## STOCK AND EGGS CHEAP.

45 varieties Standard Bred Chickens, Pigeons, Ducks and Turkeys. Fine catalog illustrates and tells all about Poultry, feeding, care and our big premium offer. Best way to rid poultry of lice, etc., only 10c. John E. Neelands, Harrisonburg, Va. 12-9

Burlington will sell eggs from Buff and Partridge Plymouth Rocks, Buff and Columbian Wyandottes, Buff Leghorns, Rose and Single Comb Buff and White Orpingtons, \$1 for 15.

ROWLAND G. BUFFINTON  
Somerset, Mass. 1f

**WE ARE THE LARGEST MANUFACTURERS OF**

**Coops**  
**Egg Boxes**  
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**Egg Cases**

Cooping Department  
**HOFFMAN POULTRY SUPPLY CO.**  
Waverly, Ala. 12-10



## LICE AND HOW TO GET RID OF THEM

Lambert's Old Reliable "Death to Lice" simply exterminates all kinds of lice on poultry. One can of Lambert's will save dozens of dollars in the hatching season. Use it on your setting hens, no lice on the chicks. Sample 10c. 100 oz. \$1. 1907 Pocket Book "Pointers" free. O. K. STOCK FOOD CO., 621 Monon Bldg., Chicago.



## BANNER LICE AND VERMIN POWDER

A cheap, effective disinfectant and remedy, in powder form to be dusted on. Perfectly harmless. 5 oz. 15c. 1 lb. 40c (postpaid) 3 lbs. 50c. 6 1/2 lbs. \$1.00. (f. o. b. N. Y. City) Excelsior Wire and Poultry Supply Co., Dept. T 26-28 Vesey St., New York City.

# American Poultry Association Election

The report of the committee on election of the officers of the American Poultry Association is as follows: For president, C. M. Bryant; vice-presidents, H. V. Crawford, Miller Purvis; secretary-treasurer, Ross C. H. Hallock; members of the executive board for the term of three years, Grant M. Curtis, Theo. Hewes, Wm. McNeal; two years, D. A. Nichols, S. T. Campbell, Geo. D. Holden; one year, T. F. McGrew, Reese V. Hicks, Geo. S. Barnes. Niagara Falls was chosen the place of annual meeting for the next three years; time of meeting the second week in August. In the election for first vice-president Mr. Crawford was declared elected from the fact that the others voted for were ineligible for the office, according to the constitution and by-laws.

In addition to this the president of each branch association becomes an active member of the executive committee. There has been formed in New York, in and about Chicago, and in other localities, branch associations under the new laws, brought into force by the passing of the new constitution and by-laws at the meeting in New York. It has been

proposed to hold a poultry institute during the summer session at Niagara. Hotel accommodations can be secured at or near Niagara at all prices from one dollar a day up. There should be a very large gathering of those interested in poultry at this meeting. Come and bring your families and friends, as you do at the Farmers' Institutes in winter. Come and spend several days, learning from the brighter minds of the world the improved methods of growing poultry. If the present indications mean anything, there should be from three to five of the leading poultry professors of the world present at this meeting to talk to all who may come. It is to be hoped that every one will make it a point to come to the summer meeting of the association.

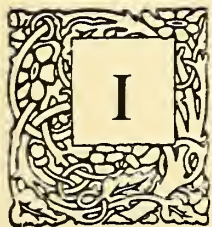
## Egg Record

From April 31 up to and including the 15th of May, the Starnell hens laid 1,215 eggs, an average of a fraction less than 35 eggs per hen in 48 days. During this time 7 hens were broody in April, 19 were broody in May.





## Hatching Fifteen Thousand Chicks



IN THE May issue of THE FEATHER we told of the extensive egg yield obtained by Mr. Starnell, of Alexandria. Since gathering that information, we have visited the poultry plant of H. L. Davis, known as the Glen Olden Poultry Yards, Glen Olden,

Pa. These yards have been devoted for several years to the purpose of building up a strain of White Leghorns that will produce a large number of eggs each year. These eggs are hatched in incubators, and the young chicks shipped all over the country. For the information and benefit of our readers we shall draw a pen-sketch of the entire plant and the methods of working it, as accurately as possible.

Glen Olden Poultry Yards are located in a little village of that name adjacent to Philadelphia. The plant occupies five acres or more. The main buildings are constructed across the center of the land. Out from this toward the southwest are the yards for the laying hens. The buildings are of the connected-apartment type, with the hallway passing along the front of the building next to glass windows. Back of this are the trap nests and the roosting place. When the birds are on the roost, or in the nest, strangers can pass through the entire buildings, seeing everything without interfering in the least with the fowls, which are kept in flocks, as follows: Pens 1 to 6, running together, contains 180 hens and 12 males. All of these dwell quietly together with no seeming contention. Pen 7 contains 75 hens and 5 males; pens 8 and 9 together contain 60 hens and 4 males; pen 10 contains 120 hens and 8 males, making 335 in all. These hens are doing remarkably good work at the nest box, and the records show a very large per cent. of living chicks obtained from the incubator of a given number of eggs.

One hundred and fifty of the flock are hens, each one of which has laid over 120 eggs in 365 days. From March, 1906, to the same date this year, hen-band No. 1 produced 181 eggs;

No. 2, 204 eggs; No. 5, 164 eggs; No. 6, 220 eggs; No. 7, 181 eggs. In all we examined the record of fourteen hens. The least number of eggs produced in that given time by any one of these hens was 151 eggs. The highest number produced by any one hen was 220 eggs. In addition to these there are a number of hens that have produced from 150 to 175 eggs. We asked ourselves when these records were produced: "How was it possible to keep them to a certainty?" Each pen is equipped with a sufficient number of Champion practical nest boxes for each hen, in turn, to be accommodated. The eggs are gathered at 9, 11, 1, 3, and 5 o'clock. The last visit is made to release any stray hen that may have found her way into the nest-box, also to remove any of the hens that may be inclined to go broody. Some few of the hens are so inclined. Some, showing every sign of broodiness, continue to lay, and at times change from the broody condition to a full egg yield without being removed from the henhouse. The eggs when gathered are each one marked by the attendant with a pencil, recording the leg band of the hen on the end of the egg. The basket has three divisions. Eggs from one to two hundred, inclusive, are placed in one division; from two hundred to

four hundred, inclusive, in another division; the others in the middle division of the basket. These eggs are carried to the feed house, where the records are made, and are kept by an automatic time machine. The attendant picks five eggs from the basket, holds them in his left hand with the numbers recorded thereupon held up to sight. Each number has a record on the time clock, the hand of which revolves around in a circle. The attendant takes hold of this hand, as, for instance, at 96, pushes the point into and around the hole, and 96 is recorded on the sheet of paper inside of the clock, with the hour and minute the impression is made. All the records are kept in this way by the attendant, the record sheets being under lock and key, and last for thirty-one days. At the end of the month these sheets are removed, new ones placed in the registers, and the records go on the same.

We asked the attendant if any of his hens had ever laid two eggs in the one twenty-four hours. He replied that he thought not; if they did, he would have only his memory from which to speak, as Mr. Davis took charge of all the records after they were made.

This seems to be the most complete and most practical method of recording the egg yield that has been brought to our notice. There can not possibly be a mistake made unless the attendant strikes the wrong record number. If this should be done, a double record mark would be made, one right on top of the other, from the fact that the record mark must be set for each day, so as to follow down in line on the sheet for the entire thirty-one days of the month. The eggs are removed as soon as recorded to the family home, and stored there in convenient receptacles awaiting the filling of the incubators, of which there is a sufficient number to produce fifteen thousand chicks each year, from the first of February to the end of June. The incubators are kept under lock and key, the key being in the possession of Mr. Davis, and no one is permitted to visit them unless he is present, or permits them to do so as a special favor. Twice a week these machines are



SHIPPING BOX FOR DAY-OLD CHICKS





BIRD'S-EYE VIEW, GLENOLDEN POULTRY YARDS

due to hatch at a time which permits the filling of the orders for young chicks—Mondays and Thursdays. At this time all the orders are filled and the chicks shipped by express in small or large packages, as the order demands. The experience of several years has taught Mr. Davis how to handle this business for best results, and it has enabled me to settle many questions that have been considered important, but which have not been satisfactorily settled in a manner to convince the poultry growers of the world.

Mr. Davis stated that chicks that were forty-eight or seventy hours on the road always did remarkably well. On an average more of those grew to maturity that were more than forty-eight hours in transit than did those which reached their destination in a few hours. People, he thinks, kill more chicks through kindness, coddling, and overfeeding than from any other reason. Experience has led Mr. Davis to retain the surplus or unshipped chicks at the time they hatch in the brooder up to the third day without feeding. Chicks hatched on Thursday are not offered any food or water until Saturday. After this, they are fed regularly in hoppers—chick food, fine beef scrap, charcoal, and grit are constantly at hand in small hoppers, from which the chicks are taught to feed themselves. The arrangement for watering the fowls is through a self-feeding method. In this way there is always a full water supply, and a full food supply ever ready at hand for the chicks to serve themselves at the first peep of day, and at the last gray light at night.

In the brooder house we saw young chicks from two days to two months of age. The surplus cockerels are sent to market as soon as they reach what is known as the squab-broiler size, averaging about a pound. Those we saw just ready for killing were plump and well-favored, and all the chicks were strong and healthy. Gentle rain was falling during the time we visited the yards. All the chicks over two weeks old were running in and out of the brooder house into the runways that are sown with oats. The oats had grown about an inch and a half or two inches above the ground. Through this the chicks were running, and we were informed that they were never compelled to stay indoors except when the weather was worse than we saw it there.

The green-food supply for the entire plant, including the young chicks, is provided through the

method set forth in Mr. Briggs' "Profits in Poultry Keeping Solved," which is advertised in our pages. This removes the necessity of having alfalfa and clover, or green food of any kind. We witnessed the feeding of the flock with this kind of green stuff. The young chicks and the grown fowls were so eager for their supply when given it that they flew over and onto one another in their haste to get their portion. The ease with which this is handled, and the satisfaction the poultry expressed in being served with same would lead one to believe that it was a favorite dish with the fowls.

We have often read of and listened to lectures relative to the fresh-air system for poultry buildings. At Mr. Starnell's, written in our May issue, we saw this exemplified to an extent that we had never imagined could be practised successfully. To our astonishment we found that at the Glen Olden plant the doors opening into the brooder house were left open all day when we were there. This connected with the hallway into the feed house, the door of which was open

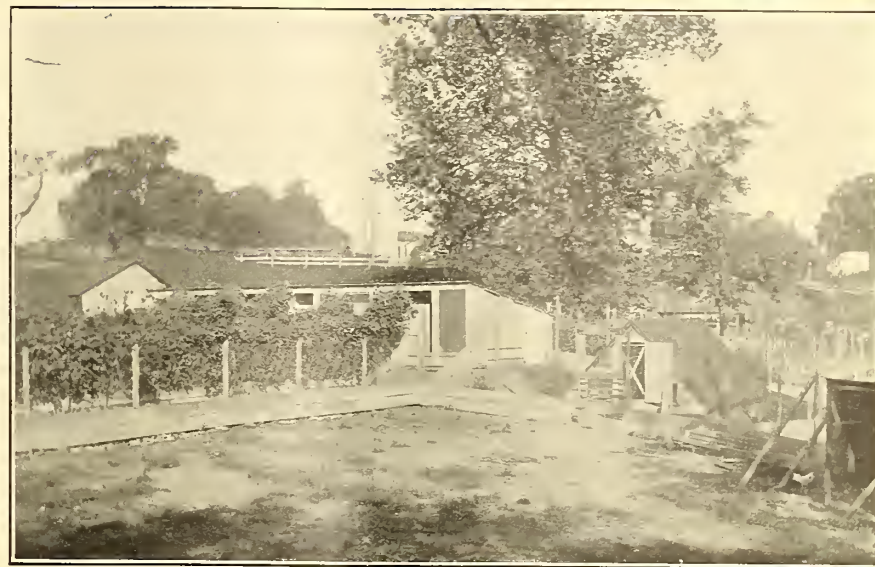
into the yard. This gave a free circulation of air through the entire building, which was very damp, indeed, as would be the case when the weather conditions were such as we found them. The only warmth in the brooder house was furnished by the brooders themselves. And to avail themselves of this, the young chicks must seek the hover, under which to warm themselves. The per cent. of mortality from the first of February up to the day of our visit was very slight, indeed. Hanging in front of each division was the daily record of chicks placed in the brooder, of those removed for any purpose, and of those that died. This is kept in the open for the inspection of all who go into the houses. We do not feel at liberty to state what this mortality is, but we can assure our readers that it was below what we imagined it could possibly be under the very best conditions. The surplus chicks that are not sold and shipped away are grown as above stated; the surplus cockerels going for broilers. The least desirable pullets are disposed of in the same manner, the best of all the pullets being kept to renew the flock the coming winter each year. Every pullet that drops below the one hundred and twenty egg mark per year is sold. The pullets that return the best egg records are kept to renew the flock. The following information was written out by Mr. Davis himself:

"The hens are kept in the laying houses as long as they produce over one hundred and twenty eggs per year. We have some few hens that are now five years old. A few of my hens exceed the pullets in egg production. The pullets that produce more eggs during the first year than the hens are retained as egg producers. The records of some of the pullets for this year are as follows: From January 1, to April 1, the records range as follows: 49, 57, 58, 62 and 65 eggs from the relative number of pullets. The greater proportion of the pullets this year are averaging up to these records, many of the pullets in the houses next laying last September and October. The greater portion of all the pullets have laid over one hundred eggs each since they began laying in the fall. While these records may not equal some that are published, we imagine," says Mr. Davis, "they are fully up to the average, or in excess of any other flock of equal number in the world. It is my purpose to build up for my own



FLOCK OF PARTLY GROWN COCKERELS





BROODER HOUSE AND YARDS AND SIX OF THE BREEDING HOUSES AT GLENOLDEN FARM

benefit a strain that will produce more dollars' worth of eggs for a dollar's worth of feed than any other strain on earth. By so doing, I will add to the value of each individual hen, and will have a strain that will more than pay their keep during the early winter months in market eggs and make a profit for me during the months of hatching and selling the young chicks."

To test the outcome of a shipment of young chicks, an order was placed by a friend and the chicks shipped from Glen Olden Monday morning, the 15th of April, reached their destination in due time, all the chicks contented, happy, and in the best of condition. They were shipped in a small box, lined inside with a double layer of burlap, the same tacked across the top of the box. There was no feed, chaff, or material of any kind other than the burlap in the box, which was opened about 6 o'clock in the evening of the same day, and up to the time of writing this they are all doing remarkably well. The box we photographed, the picture of which we print with this article for the benefit of our readers. All of the statements made above except those credited to Mr. Davis, came from personal observation gained during the visit of the writer at the Glen Olden Poultry Yards.

There has been some little criticism from some sources relative to the question as to whether the shipping of young chicks in this way should be permitted or not. Partly to satisfy myself and to gain information for our readers, the shipment above recorded was made. In addition to this we have a letter from an acquaintance over a thousand miles from the shipping point, who wrote us that the shipment of the one hundred chicks from the shipping point to the destination had proven most successful; only six of the young chicks were dead when the package arrived—less than had died in the incubator at home which

contained something over one hundred eggs. The incubator at home turned out about ninety chicks. These ninety-four chicks were placed in competition with those hatched at home. The final results show a few more of the chicks received grown to maturity than of those hatched at home. The size, the strength, and the vigor of those received by shipment fully equalled, if not exceeded, the same conditions of those hatched at home. The eggs used were purchased as eggs for hatching in the incubator, and were of the same variety as were the young chicks shipped. This experiment was made partly to decide the question whether it would be better to buy the young chicks from experienced hands or to hatch them at home.

The records of hatching for the past two years show the highest per cent. of any records we have been permitted to examine; the conditions under which the chicks are grown, the way they are housed, the extended yard for exercise, and the cool houses with the fresh-air ventilation provided, shows in the healthy condition and the laying ability of the hens. From such fowls might be expected a high per cent. of fertile eggs. The chicks should have good constitutions when bred continually in line from the best layers in the flock, the male birds used being bred from selected hens, having in view keeping away from the injurious habits of inbreeding. The use of male from a different line of hens each year undoubtedly has much to do in preserving strength and vigor.

It is not our purpose to tell of the success attained in these yards further than to state that a number of the males and females in use there at the present time won many prizes at the late winter shows. This flock of fowls have present to a very large degree the strictest demands for standard qualities in White Leghorns. They possess, in addition to this, the ability to produce

a continued heavy egg yield throughout the year. Their eggs seem to be more than usually fertile; the chicks obtained from a given number of eggs remarkably good, and the size and appearance of the eggs is fully equal to any White Leghorn eggs we have seen. This plan combines practicality, utility, and the highest quality of standard breeding, all of which upholds the statements so often made in our columns that the closest attention to standard breeds need not in the least interfere with the utility value of any strain of fowls.

America should be the growing place of everything good to eat in the world. The day of dropping the seed in the ground and going to sleep while it grows has passed. We can produce the best at the least cost of any country in the world, but to do this, we must devote time, energy, and study as well to the production; if we do not, our grade of quality will become less desirable as the lands degenerate. If more attention is not given to growing live stock and feeding them for market, we will begin to travel backward along that line. If as much attention were given to the finishing of our poultry for market as is bestowed upon the growing of hogs, better results would be obtained. Less grain properly fed to poultry will produce a pound of good poultry meat than will produce a pound upon the carcass of a hog. Poultry meat never sells at wholesale, live, for less than eight or nine cents. How long has it been since a hog was sold to market at anything near an equal value to this? A hundred bushels of corn fed to hogs will not bring as much money into the pocket of the feeder as the same amount of corn properly fed to chickens, turkeys, ducks, or geese, but it must be as intelligently done as would be the feeding of a steer, a hog, or a sheep for the same purpose.







## Guinea Broilers as a Substitute for Game Birds

By J. H. EDGERTON



HAVING been requested by a number of our readers to furnish more information relative to the growing of guinea broilers, we asked Mr. J. H. Edgerton, of Marietta, Ohio, to write an article of that character for THE FEATHER.

We take pleasure in publishing the article, using illustrations loaned by Mr. Edgerton. These illustrations were made from photographs of his own stock—EDITOR.

In the year 1905 the United States Department of Agriculture issued a bulletin on "The Guinea Fowl and Its Use as a Food." This, to the writer's knowledge, was the first literature written upon this branch of the poultry industry. There has been a constant and growing demand throughout the United States for game birds, such as quail, pheasants, and ducks, prairie chickens, and the like, but on account of the rapidity with which the country is becoming populated and the stringent laws which prevent shipping game from one state to another, the supply of game birds available for consumption in our eastern cities is limited to such an extent that the scarcity is plainly noticeable. When guinea broilers were first placed on the market as a substitute for quail, it was gratifying to note the manner in which they were received by the public. The guinea is naturally a wild fowl, and while we have been able to demonstrate her to a very remarkable and satisfying degree, we have still been able to have her retain that wild and gamey flavor, which is so desirable in all game birds.

As to the color of the guinea they are divided into two classes, viz: The pure white, or African, and the pearl, or what is usually spoken of as the old-fashioned speckled guinea. A cross between these two breeds produces what is termed a splashed guinea, being half white and half pearl. Either of the varieties, when pure,

or reasonably so, will breed true to color, though years of neglect and inbreeding are difficult to overcome in a few years, even with most diligent care in selection and mating. From a marketable standpoint, there is seemingly no distinction made as to the color of the bird, both kinds being in equal favor with the fancy trade that use them.

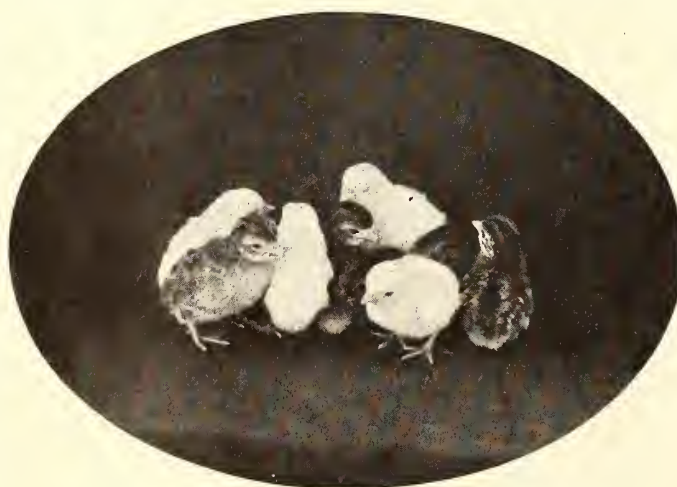
In mating guineas I have found one male sufficient to mate with three hens, while in large flocks of twenty-five or more, one male to five hens will be found quite enough to insure good egg

purchased old guineas and brought them to new quarters only to find that it would take almost the entire season to get them accustomed to their new surroundings, and, as a consequence, the season's eggs would be lost, because guineas will not lay nor do any good as long as they are frightened half to death at the approach of any one who goes near them.

It is also advisable to have an enclosure made of six foot two-inch mesh wire sufficiently large to accommodate the flock which you decide to keep. A piece of waste ground is preferable to use for such an enclosure, as it usually abounds in briars, shrubbery, and underbrush, which makes an ideal place for the guineas to nest. If the pen is forty feet long and about forty feet wide it will accommodate a flock of twenty guineas nicely. Keep them enclosed until about 3 p. m. each day, when they may be allowed their liberty and permitted the run of the farm for the balance of the afternoon. These few remaining hours will be long enough for them to secure such an amount of bugs and insects as their systems require, and by keeping them in the enclosure one can easily find the eggs, while they would be hid in secret places all over the farm if the guineas were allowed their liberty at all times.

Many guinea raisers report gratifying results from hatching eggs in incubators, though I have obtained very good hatches by using chicken hens for incubating. A good-sized hen will cover

from eighteen to twenty eggs nicely, and it requires from twenty-six to twenty-eight days for hatching. The tender age of the baby guinea lasts from the time it is hatched until it is sixteen days old. It seems that the feathers begin to grow as soon as the little fellow is out of the shell, and while it does not shed the down as a little chicken does, still the wing feathers grow so fast that they appear to sap the strength from the body and make it very weak. There is hardly a home without a small garden or truck-patch adjoining it, and this is the ideal place for baby



BABY GUINEAS TWENTY-FOUR HOURS OLD, PURE WHITE AND PEARL

fertility. The laying season usually begins in the spring, as soon as the warm weather arrives, and in case the spring weather is backward, as it has been throughout the middle states this season, the laying period does not begin until the last of April or first of May. It is advisable for beginners in the guinea industry to begin with eggs, hatch, and rear the guineas upon the ground which has been assigned for their occupancy, and it will be found that they will be much more contented, show no desire to wander from home, and will give better results as egg producers. I have





GUINEA HEN'S NEST IN WEEDS AS SHE HAD SECRETED IT

guineas. Place the mother hen in a good coop with a board floor, and be sure that the roof will turn the rains. Set this coop in the edge of your garden, keeping the hen confined, but allowing the little chicks their freedom. It will be surprising to see how many insects the little guineas will find to devour in the course of a day, and the dry ground in the garden will be a paradise for them as they do not enjoy being out on the lawn where they will get drabbled in the wet grass in the early morning. There is no specially prepared feed for young guineas. Feed them just as you would newly-hatched chickens. A variety of food is relished, and they seem to prefer small seeds. After they are two weeks old they may be allowed their liberty and permitted to run at will with the mother hen. At this age they are nearly feathered out and the wing feathers are large enough so that they can fly up in the trees to roost.

From the age of two weeks they grow very fast, and if good range is permitted them they require very little feed, as they obtain most of their living from bugs and insects. An ideal range for them would be a young orchard, a berry patch, or meadow where grasshoppers abound. When they are from eight to ten weeks old they should weigh one and one-half to one and three-quarter pounds each, at which time they are ready for market. At this size they are plump and fat, and while the meat is dark and compact, it is sweet and tender, and, to my notion, is the most dainty morsel that can be prepared to gratify the appetites of the American people, who are ever clamoring for the taste of game birds. It is true that squabs and milk-fed broiler chickens have stepped in to

help fill this gap caused by the scarcity of game birds, and while they are in very great demand at the present writing, still it is not claimed that they possess the gamey flavor, which quality alone places the guinea broiler at the head of the list.

The market for guineas does not fluctuate as other markets do, and for this reason it is not essential to hatch eggs in incubators in January and February in order to get them on the early market to obtain high prices. The average price for guinea broilers in New York for the last three years has been about a dollar per pair, it matters not whether they are early hatched birds or late hatched ones, the prices remain approximately the same. The writer, last year, hatched out a good number of guinea chicks during the first week

of September, which were marketed at Thanksgiving time for a dollar per pair or 50 cents each. The actual cost of rearing these chicks to the one and three-quarter pound size was 11 cents, and the cost of shipping to New York, including



WHITE GUINEA HEN ON NEST

commission for selling, amounted to 8 cents each, or a total of 19 cents each. This, you see, left a clear profit in each broiler of 31 cents. I do not figure on that much profit in all my broilers, as the cost of production is sometimes greater than the amount mentioned above, but I do figure on not less than 20 cents clear profit on each one that I market.

A guinea hen should lay, from the first of April until the first of August, not less than one hundred eggs, and from this number of eggs, even with the poorest success, one should raise fifty guinea broilers, and you should be able to raise them during the warm weather, when expensive brooder houses and incubators are not needed. I do not believe that anybody can make a fortune in one year in any branch of the poultry business, although many hundreds of people have gone

into it with that intention, but I do believe that the poultry business, if conducted on the same basis as any other business should be conducted, will be found worthy of all the time and attention one cares to devote to it. I have never yet been guilty of advising a man to rent a big farm and go into the guinea industry exclusively, because if he should fail in that line, he would have nothing else to fall back upon and he would necessarily be compelled to ask the sheriff to assist him in disposing of his stock to the highest bidder.

A neighbor of mine had saved about \$6,000 in a business which he was conducting when he got the chicken fever. He had been reading some cheap poultry literature, in which the publishers were anxious to assist their advertisers in disposing of their common stock at preferred prices, and he decided that he must have the best there was going in each department. As nearly as I can guess on results, they are about as follows: Cost of architectural plans, \$200; cost of buildings, \$3,800; price paid for farm, \$3,100, which put him in debt about \$1,100 before he had bought any poultry. All this building and preparation had covered several months, and, as he had not realized any profits from the poultry business in the meantime, he got sick of it, sold the farm and buildings for just about what the farm originally cost him, and then went back into the business in which he was a success. He had lost about four thousand dollars in the poultry business and never owned a chicken. Of course, the above incident is a case where chicken fever affected the brain and left the pocket-book empty, which is sometimes the case, but not always.

I do not wish to convey the idea that I am trying to throw cold water on an industry in which I am deeply interested, but when you get a letter from some party advising you that you can make \$100 a year from a pair of pheasants, or that you can easily clear \$1,000 a year from a few pairs of homers by supplying your home markets with squabs, or, if you are advised to purchase a \$3 setting of chicken eggs, with the explicit understanding that you will raise from same a Madison Square winner, which will bring you \$1,000 without question. I would advise you to pass such offers by, and let the other fellow be the one who tries the experiment. Many of our best poultry papers are becoming more conservative every year, which in itself is one of the greatest sources of protection to the beginner in the poultry business. Extravagant statements, while partially true, are usually misinterpreted by the inexperienced, and dissatisfaction is the result. We are glad to see poultry papers looking after the interest of the reader as well as the advertiser.



PEN OF PEARL GUINEAS



FULL-GROWN WHITE GUINEAS





## Fattening Fowls for Market



IN OUR May issue of 1906 we gave a full description of fattening poultry by machinery in the western packing houses. Judging from the number of inquiries received, the poultry growers throughout the country are becoming more interested each day in having more information relative to the best methods of feeding poultry for market that will make them of a character that will bring the highest prices. There are plans and methods followed in New England in the growing of market poultry of which we shall tell later in our columns. At this time we shall endeavor to give full information relative to what others are doing who follow the method of crate fattening and cramming poultry prior to dressing it for market.

This has been but little followed in the United States. We have visited a few country places, where the poultry was finished after this fashion for the use of the owner's household. We do not know of but one place in this country where they have crate-fed and machine-finished poultry for market. This, so far as we can learn, was only continued in for one year. The problem that confronted those who attempted this method was procuring poultry of a quality fit for finishing to a condition that would make it most valuable in the market.

The advantages gained from this manner and method of feeding is the large increase of edible meat that may be added to the carcass in this way. As, for instance, fowls that will weigh two and a half to three pounds when they go into the fattening crates can be finished in from fourteen to twenty days and have from one and a half pounds to two and a quarter pounds or more of the best quality of meat added to their weight, and the entire carcass so improved as to make it more valuable than would be a fowl of the same weight grown after the plain American farm fashion of growing market poultry. We might quote from publications and give our own information on this subject; but nothing that we can find gives information of equal value than does an article written by Ember and published in *Feathered Life*, England. We copy this in its entirety for the benefit of our readers:

"The chickens reared and fattened in the neighborhood of Heathfield, in Sussex, are still the best that reach the London market. Those who make a business of fattening require so many chickens that the district is unable to supply the demand, although nearly every farmer and cottager rears a certain number, according to the amount of ground at his disposal. To supply the balance required, chickens are imported in hundreds by the fatteners from Ireland, and from various parts of England; but these seldom fatten so readily, or turn out such good table fowls as the birds reared in the district and collected by the higglers. From this it is clear that the method



SUSSEX METHOD OF CRAMMING FOWLS

of rearing adopted in the district is the most suitable one for the purpose, viz., that of raising birds suitable for cramming by machine. There is nothing elaborate or difficult about the system; on the contrary, it is quite simple, and might easily be applied in the districts where chickens are wanted for the same purpose. The only things in the favor of the rearers are that the soil is for the most part dry and inclined to be sandy, and that Sussex ground oats, which form the staple diet, are readily obtained, though they are unknown in many other parts of the country.

"The majority of the chickens are hatched under hens, and brooded by them in coops placed in the open; but incubators and foster mothers are being adopted by some of the more up-to-

date rearers, who are thus able to start hatching at any time in the early spring, without losing valuable opportunities by waiting for hens to become broody. The young chickens are fed for the first day or two in the coops of foster mothers on the usual egg and bread crumbs, slightly moistened with milk. After this they receive little else but ground oats, or "chicken-meals," which consist mainly of ground oats with generally some admixture of barley-meal, which renders the oats cheaper and easier to grind. The meals are mixed into a crumbly mash with water, or, better still, skim milk, and fed by throwing onto the ground. Milk should always be used for mixing the meals until the chickens are a week or two old, and the food is best given warm in the early spring months. The ground oats are not easy to mix with the water or milk, as they are apt to form a sticky mass, difficult for the chickens to eat. Some of the rearers do not object to this, but quickly mix up the meals in a pail, stirring with a stick; but those who succeed best mix with the hands, and take some care to obtain a fairly dry and crumbly mass, which will break up into small pieces when a lump of it is thrown on to the ground. The writer has always found it much easier to mix the meals if a proportion of biscuit meal is used with the ground oats. This should be scalded some hours before mixing, and will then assist greatly in forming a crumbly and appetising mixture with the ground oats. House scraps, cooked meat, or prepared meat meal, also help to give a welcome change in the diet, if used occasionally, and bring the chickens on rapidly. Indeed, in cold weather, when little insect food is available, some meat is essential. Middlings and barley meal are also frequently used with the oats to make them mix easily, to cheapen the diet, and to give variety.

"To the fact that the Sussex rearer feeds his chickens entirely, or almost entirely, on soft food, he owes much of his success in supplying the fatteners. When placed in the fattening crates the birds are required to take readily to sloppy feeds of ground oats with a certain amount of fat, mixed with skim milk. If they have been reared as described above, they do this without trouble, and fatten quickly. It is different, however, with many of the imported chickens, which have been fed in other ways. Some of these have



evidently been used to grain diet, and do not take kindly to the sloppy food. The sudden change may put them out of sorts, in which case they never fatten into really prime birds. Moreover, a chicken that has been fed entirely on grain, or nearly so, does not get the same development of crop as one fed on soft food, and consequently does not lend itself so well to the cramming process. Thus, the "dry-feed" system, rather popular at the present time, is not the best one when chickens are to be reared for cramming. In spite of this, the writer has always found that it is best to give grain as the last feed at night. This lasts the chickens through the long nights better than a soft mash, and the birds progress well on it. This plan of giving one feed of grain is not uncommon among the Sussex rearers, though many of them feed soft food always. It is quite likely that many losses in the early spring, when the nights are very long, are due to this.

"As soon as the chickens are old enough to leave the hens or foster mothers, they are placed for roosting at night in "cabins" or "arks," which are small houses with barred or rack floors, through which all droppings pass onto the ground, the cabins being moved each day onto a fresh patch. This plan saves labor in cleaning out, and manures the ground; but it quickly fouls the run, where the land is limited in extent. At this point in the chickens' lives the meals are gradually reduced to three in the day, or even to two in the summer.

"Fed in the manner described, and raised from healthy stock, the chickens should be ready for the higgler at about twelve weeks old. They are taken smaller in the early months of spring, when chickens are scarce and dear; and the writer has known them go at eleven and even ten weeks old. In the summer, on the contrary, when they are plentiful and cheap, they often run for thirteen weeks or longer before the higglers will take them.

"Attention to such details as a constant supply of grit and fresh water is often neglected by the more old-fashioned of the Sussex rearers, and losses are great in consequence. Those who succeed best know that it pays well to give heed to such seemingly small matters.

"Chickens reared as described are finished off by the fatteners within three weeks. During the first week after they reach the fattening crates, they feed from troughs twice a day, but for the last fortnight they are crammed by machine."

The above article contains a world of information relative to the kind of poultry best suited to the finishing method applied throughout England for the fattening of market fowls. In addition to this we copy an article of like character from Feathered World, England, written by J. W. Hearst:

"That which distinguishes the Sussex or Surrey fowl of commerce from all other breeds of marketable poultry is not so much its breed as the peculiarity of its preparation and the skill of those who practise it. I say Sussex or Surrey advisedly, because the words are a distinction without a difference except as regards quality. The term "Surrey" is merely a trade description, and is territorially inaccurate, both the "Surrey" and Sussex fowls



EXTERIOR FATTENING SHED, COLLEGE POULTRY FARM, THEALE

of the market being the product of the same producers and districts of East Sussex. Fowls that have been bred and reared upon the same farm, fattened side by side in the same coop, and forwarded to London in the same consignment, are, upon arrival in the markets, designated by the salesmen either "Surrey" or Sussex, according to their quality and condition—Surrey, the country which is innocent of their production, being for some unknown reason credited with the best of the bunch; but as the price paid for both descriptions finds its way into the pockets of Sussex men, they are not very clamorous for the less substantial honor and glory.

With regard to breed it is further necessary, to some extent, to differentiate between trade terms and the information supplied in text-books. It has been noted that Surrey, as a county, is not responsible for the fattened bird so described by the poulterer, and it must be added that, used as the name of a breed, it is purely imaginary—there is "no such a person" as a Surrey fowl. The poultry club has no knowledge of it, because as a pure breed it is non-existent, except in so far as the name has been in the past more or less loosely applied to fowls which were originally of the same stock as the Sussex fowl. The breed that is officially recognized as the Sussex was standardized in its three varieties—speckled, red, and light—in 1903. Even so, the fowl used by the Sussex fatterer is by no means always of the breed of the county in which it is fattened, although originally, when the trade was in its

infancy, the link between the local industry and the indigenous breed was very strong, the one being practically complementary to the other. Nowadays, however, the Sussex fatterer draws his supplies of lean birds from all available quarters, so that although his best birds are probably as often as not Sussex fowls, which are marketed as Surrey, his inferior product may be Irish or Welsh, and would, therefore, as second best, be described as Sussex—and so confusion becomes worse confounded for the man who seeks to discover the origin of species in the dead poultry markets of Smithfield or Leadenhall.

"Whatever the origin or name, real or fanciful (we have seen that it may be either, and more often the latter), the bird that is marketed from East Sussex, as the result of the fatterer's art, is distinguished above all others—gastro-nomically. I have called fattening an art; it is more; it is also a science; in that it is knowledge arranged under general principles. Truth to tell, the Sussex fatterer would not strike the casual observer as being either artistic or scientific; but appearances are proverbially deceptive. In generations past, his forefathers, by some rule of thumb process, hit upon and arranged under general principles the necessary knowledge, which he as their lineal descendants has, from childhood, been taught the cunning (in its best sense) to apply in practise. Therein to great extent lies the secret of his success; he possesses a sort of native instinct, which enables him as an artisan to apply a science in greater perfection than any other.

"The method itself is so simple that the bare recital of its details has, times out of number, encouraged others to imitation, but their success has only been partial at the best, and has never quite equaled that of the man 'to the manner born.' They are no dabblers, these Sussex fatteners: the small men steadily increase until they grow into big men, and the big men—well, many of them feed four hundred bushels of meal per week. Think of it, ye back-yarders, whose limit is a bushel of mixture per month. Four hundred bushels of Sussex ground oats represent approximately about five tons, at an average of eight pounds ten shillings per ton. Such a weekly food bill will perhaps give the best idea of the magnitude of some of the larger establishments. These men are no 'back-to-the-landers'; they are indigenous, and by a process of 'natural selection the fit' have grown and multiplied.

"As it is impossible to adequately describe that elusive but all-important characteristic which may be termed *nack*, and which is only acquired by long experience, it must suffice to recite the details of the process in so far as they are more or less mechanical. The appliances used are few, consisting merely of fattening coops, wooden food troughs to hang in front of the coops, cramming machines, shaping presses, and 'peds' in which to forward the carcasses to market. The fattening food is a mixture of Sussex ground oats, Australian mutton tallow, and milk. The time of fattening is divided into two periods: the first, during which the birds are fed in troughs, the food being mixed to the consistency of gruel, but not too thin; and the second, during which they are machine fed, the mixture of the food being more fluid to



INTERIOR FATTENING SHED, COLLEGE POULTRY FARM, THEALE



allow its easy passage through the pipe of the machine. The length of each period is dominated by the condition of the individual bird. Some will freely feed from the trough for a longer period than others; and again, some will reach perfection in the hands of the crammer more quickly than others. Of these things the fatterer, who daily attends to the birds, is the best judge, his experience telling him when a bird is ready for machine cramming, and when fit for killing.

"The whole process covers, on an average, a period of from three to four weeks. The finished birds are killed by dislocation of the neck, and the feathers are drawn immediately, before the body cools, generally before the muscular action has ceased, so expeditiously is the operation performed. During plucking the birds are held with the head hanging down, to allow the blood to drain into the skin-covered cavity produced by the dislocation of the bones of the neck—where the neck and the base of the skull meet. The plucker passes his birds as finished to the stubber, who, with the aid of a short knife, extracts the stubs that remain after the feathers are drawn. The abdomen is then pressed by both thumbs to evacuate the intestines, which, however (with the crop), are generally almost emptied previously, owing to the fasting of the birds before killing. The limbs are then gathered up, with the shanks lying along either side of the breast, and the birds are placed breast downward in the press, the head hanging over the front of the slanting shelves. A narrow board is placed on top, over the backs where the wings are set back, and weighted with bricks. When cold, the birds, which have become set in a square compact form, are packed tightly in the peds. The peds are, by a regular system of forwarding, collected by the carriers and conveyed by special trains from the two chief stations at Smithfield, consignments for Leadenhall being delivered by van."

This article tells of the kind of fowl used and the skilled methods followed in East Sussex, where so much of the good market poultry that goes to London is grown. The writer of this article states that these methods must be carefully followed, and that the growers and handlers and finishers must all be thoroughly experienced in this way of fattening fowl or they will not succeed. Any one who has had anything whatever to do with the growing of market poultry has become thoroughly convinced that success can only be obtained by those thoroughly familiar with what they are about, and who have ambition, determination, and industry sufficient to carry these plans to a successful conclusion.

In handling the cramming machine one must have considerable experience to be able to do the work as it should be done. Mixing the food, which is usually composed of ground oats, some clabbered milk, and a little tallow or beef fat mixed therein, is also important. Mix all of this sufficiently warm to keep the tallow in solution, and while it is of a gruel consistency, it must be dense enough to have substance and strength of the proper consistency to pass through the tube, which carries it into the crop. The cramming machine is ordinarily used three times a day: first at dawn; then at noon; and just at the close of day. Ten days is allotted to the crate feeding, usually a week to the process of cramming. At times the fowl will stand a few days more of feeding. The one in charge must understand the work sufficiently to know when they place the hand on the crop whether the fowl needs feeding or not, and when the hand is run between the thighs underneath the breast to tell whether the fowl is finished and ready to be killed.

As the articles quoted above give full information as to the crate feeding, it is only necessary for us to state that the operator in charge of the machine must take the fowl under the left arm, with the right hand the rubber hose is gently inserted through the mouth and throat to the open-

ing of the crop. Then, with a gentle pressure of the foot, the food flows slowly into the crop underneath, which rests on the right hand of the operator, who stops the pressure of the foot so soon as the crop is filled sufficiently to last until another feeding. Some reports claim that a single operator can feed from two hundred and fifty to three hundred birds per hour. It is best to have some one take the fowls from the crates and place them there again after they have been fed. A man and an active boy will usually feed from three hundred to three hundred and fifty in an hour. But to do this, one must be very expert indeed, for this calls for the feeding of five to six each minute, which demands rapid movement and great care.

Fowls that are properly fed and finished in this way, have solid, close-grained, juicy meat. On the other hand, when poorly done, they are sometimes soft, flabby, and undesirable for market poultry. For these reasons it is quite essential that one should study the problem, work slowly, to gain experience, and not imagine that it can be grasped like an apple from a tree, for it can not be done in this way. The methods must be thoroughly understood, and gradually increase from a few up to a successful handling of many hundreds.

In some localities the crates or coops are placed out in the open or under trees; but certain information leads us to believe that greater success comes where the coops are placed underneath roofs or in inexpensive buildings. Through the courtesy of Mr. Brown, of England, we are able to give the illustrations of the buildings used at the College poultry plant, Theale, England. Mr. Brown is one of the most expert poultrymen of the day. His writings are valued throughout the world; his experience in these matters is almost unlimited, and we are glad to be able to show our readers how plain the equipment may be for the most effective service.

## Improvement of the Wyandotte



ANY years ago, when the original White Wyandottes were being much talked of and written about, the question of shape had more consideration than is given to this subject at the present time. Undoubtedly the best shaped individual male bird that has been shown during the last eight or nine years was a direct descendant from what was known as the Cheston strain of White Wyandottes. The Cheston strain descended directly in line from the original John B. Felt strain. Undoubtedly this strain of Wyandottes carried in its veins considerable blood of the White Cochins, traced through the fact that a large per cent. of them had more or less of stubs and feathers in their shanks and toes. We do not mention this to cast any reflection on this particular strain, but to emphasize the fact that the breed characteristics of the Wyandotte have not been greatly improved during the past ten years.

The influence of the score-card, as illustrated by its use for over twenty years in this country,

has thoroughly convinced the writer that it is detrimental to breed characteristics. So little attention has been paid to breed formation as rated by the score-card, and a lack or weakness of color is so severely punished as to lead away from type and encourage color. Illustrative of this fact, when the Cochins Club revised their standard at Boston in 189—, and directly prior to that time, Senator David A. Nichols stood head and front over all breeders in the production of Black Cochins fowls and Black Cochins bantams for exhibition. When the standard for shape was so radically changed as to make the supremacy of Cochins type possible, the senator remarked that the time had arrived to drift away from his strain of these two fowls, which for years had won the highest honors in the show-room, from the fact that the color of their plumage was absolutely true and pure.

In grading quality in White Wyandottes, much the same method has been too frequently followed. Color and color only in too great an extent has had the consideration of the judge, until to-day the most active breeders of White Wyandottes willingly admit that too much stress has been placed upon the color of the plumage

of this valuable variety in comparison to the attention given to breed characteristics.

In several instances, at both New York and Boston, the awards have gone to specimens lacking most noticeably in shape. In one or two specimens the case was so plain as to become almost laughable when considered as a breed proposition. The allotment of special prizes for the whitest specimens in the show led to the placing of color specials upon specimens that in no way represented the breed, the name of which had been applied to them. Until now many of these specials are offered, stating that first-prize winners could compete. The only distinction between fowls of different kinds is their breed characteristics. If we would stop to consider that the real difference between a White Wyandotte and a White Plymouth Rock rested in the different formation of the two, we might begin to realize that the color of the plumage was only the variety distinction, but when you see the awards placed on two fowls, one called a White Plymouth Rock, and the other called a White Wyandotte, the only difference perceptible in the two being the kind of comb, the meaning of cultivation of color destroying the breed is easily understood.



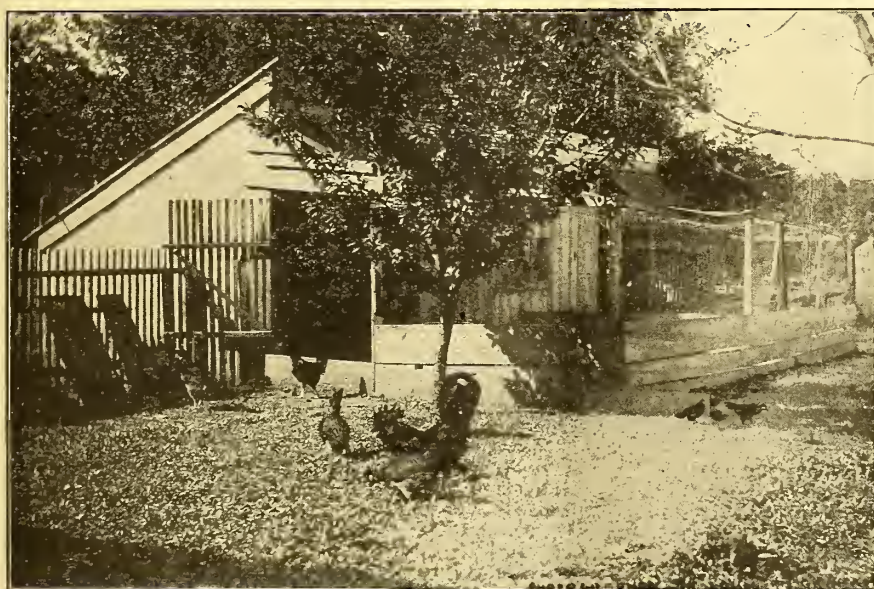
## Science of Breeding

By T. F. McGREW

### A Look into the Future



WE HAVE been requested to write at length and illustrate articles in this series relative to the Golden-laced Wyandotte and the three varieties of Plymouth Rocks. We hope in the near future to write fully on all these topics and consider them under the above heading. The article published on White and Silver-laced Wyandottes has called forth so many compliments that we hope to give the others in even more pleasing form than those above mentioned. We have in store for our readers an illustrated article on Black Wyandottes presenting the shape problem of the Wyandotte family. We have some photographs of the winners of both England and America. When we use these, we shall do so having in mind the account of what has been done in the show room in the way of selecting winners and will give our readers the opportunity to decide for themselves whether this has been done to their liking or not.



POULTRY YARD OF W. N. KULP, POTTSTOWN, PA.

When we publish the article on science of breeding relating to the Plymouth Rock family, we know that we will be treading on sacred ground. The opinions of the breeders of these fowls are not all in the same channel as to shape. In the barred variety there are many opinions about color and barring, while the same old question of buff color is agitated by those who admire the buff variety.

Years ago when we wrote of the beauty and most-to-be-desired features of the Barred Plymouth Rock, we were challenged by some fanciers who have since changed their views somewhat relative to both the shape and color in the Barred Plymouth Rocks. We quote

true solution of the question had not been reached."

This is all too true, and it furnishes proof of the lack of sense in handling one of the most, if not the most, popular fowls ever known. It is a fact that of all domestic fowls the Barred Plymouth Rock is the one most generally kept, and in number far exceeds any and all other varieties.

More attention has been given to the consideration of what might be accomplished as to color in these fowls than perhaps any other. One of the most prominent breeders of this variety said to us the past winter that he wished they would turn back to the early day surface color and be satisfied with this, rather than be continually clamoring for the deep-to-the-skin barring, which had brought so much of the metallic color into surface plumage as to almost make it impossible to have cock birds of a year old, or hens of equal age free from this defect. The truth is that too much barring to the skin has brought the trouble that we predicted over ten years ago.

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**Mattocks White Plymouth Rocks.** Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

**Ringlet Barred Rocks!** Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

**Wysong's Barred Plymouth Rocks Are Fine as silk.** Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Fithian, Ill. 13-3

**Marburger's Barred Rocks Win at Lititz,** the hanner show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. A. W. MARBURGER, Lock Box 26, Denver, Pa. 12-10

**Buff Plymouth Rocks, Winners of the State Silver Cup at West Haven,** and specials for best shape and color; gold special at N. Britain for best color cockerel; scores 94 points, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

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**White Rocks (Hawkins), Barred (Bradley Bros. strain), Standard bred; stock for sale.** Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Niede, Ephrata, Pa. 12-11

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**Choice Barred P. Rocks, S. C. Black Minorcas, Houdan's, and Homer Pigeons.** Send stamp for circular. B. F. BRUBAKER, Mount Joy, Pa. 12-11

**Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100.** GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

**Fishel's White Plymouth Rocks.** Guaranteed stock for sale. Eggs, \$3 per 15; \$5 per 30. Write your wants. Dr. C. L. VAN OSDOL, Dillshoro, Ind. 12-9

**S. C. White Plymouth Rocks Exclusively.** Farm range. The ideal fowl for all purposes. Eggs for hatching, \$1 setting of 15; incubator, \$4 per hundred. MRS. L. B. WILLIAMS, Louisa, Louisa Co., Va., R. F. D. No. 4. 12-9

**Barred Rocks, Bred for Utility and Exhibition, \$1 per setting for eggs from large hens, good shape and color.** D. N. RIEGER, Hyndman, Pa. 12-9

**Riley's Barred Plymouth Rocks Are Champions,** winning every first at the great Philadelphia Show. Get my mating list before buying. HENRY D. RILEY, Strafford, Pa. 13-6

**Eggs from Thoroughbred Prize Winning Barred Rocks, \$2 per setting of 15; \$5 per 100.** Young chicks in April, \$12 per 100. Address MRS. A. R. NORTON, Old Homestead Poultry Farm, Selden, L. I. 12-9

**E. E. Pryor, Specialty Breeder, Barred Rocks,** Thompson strain, and Buff Cochins Bantams, high prize winners and breeders. Stock and eggs in season. Martinsville, Indiana. 12-12

**Pure-bred Barred Plymouth Rock Eggs for Hatching** from prize winning strains, \$1 per 15; \$1.50 per 30. GLENN S. HARDY, Winthrop, Route 1, N. Y. 12-9

**White and Barred Rocks; Heavy Layers; Fine market fowl.** Ten years breeding. Satisfaction guaranteed. Eggs, \$1.50, 15; \$6, 100. R. A. GRAFF, Jamesburg, N. J. 12-9

**Barred Plymouth Rocks. I Won at Morristown,** N. J. Show first cock, first and second hen, second cockerel, second pullet, heating high-class blue ribbon winners of other shows. Stock and eggs. W. A. HELM, Chatham, N. J. 12-10

**Tucker's White Rocks. Fishel Strain Exclusively.** Eggs for hatching a specialty. White Holland Toms. Please write your wants. WHITE POULTRY FARM, Ligonier, Ind. 12-9

**Woodside Farm Barred P. Rocks, as Good as** grow; elegant barring; standard weight and over; both matings. Eggs, \$1.50 per 15; also Whites of best quality, same price. E. POLING, Keyport, N. J. 12-12

**Fishel's White Rocks. Will Offer Eggs from My** winners at Akron, Canton, Revanna, Zanesville, and Carrollton, for \$1.50 per 15. This pen headed by second cockerel at Washington Court House in January. Satisfaction guaranteed. H. I. BENDER, Middlebranch, Ohio. 12-9

**White Plymouth Rocks Exclusively; Pure White;** good layers. Eggs—\$2 per 13; \$5 per 40. H. M. GEESEY, Box F. York, Pa. 12-9

**My Buff Rocks Are Prize Winners at Every Show** entered. Try them and raise sure winners. Eggs, \$2 for 15. Stock for sale. RALPH BULKLEY, Box 51, Columbus, Ohio. 12-9

**Buff Rocks! 2d Pen, 3d Cockerel, Buff Rock Club** ribbons for best shaped and colored males, Ann Arbor, 1907. 15 eggs, \$2; 30 eggs, \$3. E. E. CALKINS, Ann Arbor, Mich, Carrier 9. 12-9

**"The" 242-Egg Strain Winners! "American Hen** lays 65 eggs per year." (Government Rept.)—profit 10 cents. I offer settings at \$1.50 nad \$3 from hens making \$3 each, yearly profit. Golden Buff, pedigree-bred eight years. W. H. MERCER, 502 Twenty-fifth St., Detroit, Mich. 12-10

**Miss Ivory, Score 97 by Judge Orr, Is in Our** breeding yards. Our pens are the best we have ever owned. Eggs only \$3 per setting. White Plymouth Rocks. WILSON & LEWIS, Clarksburg, W. Va. 12-9

**"Nonpareil" Barred Plymouth Rocks Meet Every** requirement. Line bred for over twenty years. Catalogue free. SCHWAB BROS., Box 241, Irondequoit, N. Y. 12-9

**Barred Rocks Exclusively Since 1890. Ringlet and** Bradley Bros. strains. Stock and eggs for sale at reasonable prices. Satisfaction guaranteed. F. S. WEINHOLD, Denver, Pa. 12-9

**County Line Poultry Farm Breeds Barred Rocks** and S. C. Buff Leghorns. Prize winning matings. Stock and eggs for sale. \$2 per 15. Route 10, Medina, N. Y. 12-9

**Thoroughbred Barred Plymouth Rock Eggs for** sale. \$1 for 15; \$4 per hundred. MISS MARGARET A. JONES, R. F. D. No. 2, Rockville, Md. 12-9

**Barred Plymouth Rocks Bred for Beauty and** utility stock and eggs; choice matings. Send for circular. WM. P. CLARKSON, 308 Lemoine St., Syracuse, N. Y. 12-9

**Buff Rocks, Exhibition and Utility Stock. My** matings are better than ever. Eggs \$1 and \$2 per setting. HARRIS H. SCHANTZ, Richland Center, Pa. 12-9

**Dulcos' Buff Rocks—Winners of 38 Ribbons in** four shows—Stamford, Conn.; Lenox, Pittsfield, and Boston, Mass. Send for circular telling all about them. B. N. DUCLOS, Lenox, Mass. 12-9

**Thompson's Barred Rocks. Cocks \$5, Cockerels,** \$5; hens and pullets, \$2 and \$3; eggs, \$3 per 15; \$5 per 30. Fishel's White Rocks. Cockerels \$3 to \$5. Fishel would not duplicate for \$10. Hatched from Fishel's \$10 eggs. Selling cockerels cheap to close out. No females for sale. Eggs—\$3.50 per 15; \$6 per 30. THE MARYLAND POULTRY FARM CO., Incorporated, Annapolis, Md. 12-9

**Exhibition Barred Rock Stock Birds for Sale;** eggs \$5 per setting. Free catalogue. Address, MAT W. BALDWIN, Sioux City, Iowa. 12-9

**Hillcrest Farm's Silver-penciled and Partridge** Plymouth Rocks; winners at World's Fair, Madison Square Garden, Philadelphia, Washington, Trenton, and Wilkes-Barre. Stock for sale. Eggs \$3 per setting. Mention The Feather for an extra egg. Free catalogue. WM. F. FOTTERALL, Oakford, Pa. 12-9

**Nopp's Barred Plymouth Rocks Are Alright, 13** eggs, \$1.50, or 26 eggs for \$2.50. Send for free circular. MR. AND MRS. N. F. NOPP, Browns Valley, Minn. 12-10

**Tidd's Barred Plymouth Rocks; Bred from Prize** winners at Scranton Show. Cockerels and hens for sale. Eggs, \$2 per 13. S. J. TIDD, Taylor, Pa. 13-1

**Fishel White Rocks. Cockerels, \$2 to \$5. Extra** fine ones, order quick. M. E. CUNNINGHAM, Ada, Ohio. 12-10

**Partridge Rocks Exclusively. Eggs \$2 per 15.** Satisfaction guaranteed. Infertile eggs replaced free. Express charges collect. REV. C. V. SEELHOFF, Laporte, Mich. 12-10



Barred Rocks; Fine Layers; Strong, Thrifty stock. Fertility guaranteed. Eggs for sale. NATIONAL JUNIOR REPUBLIC, Leslie W. Baker, Supt., Box 16, Annapolis Junction, Md. 12-10

High-class Barred Rocks; from Prize Stock. Eggs, \$2 a setting. THEODORE BOULTON, Morris Ave., Elizabeth, N. J. 12-10

Buff Rocks, Nuggets; Bred for Quality; All Clear buff. Eggs from choice matings, baving free, grassy range. Males scoring from 92½ to 94½. And special attention given to orders and packing. Write me for prices. No stock for sale until fall. MRS. HARRY FARNHAM, Vermillion, Ill. 12-10

Exhibition Barred Plymouth Rocks; Line Bred; winners at leading shows for three years. Eggs, \$3, 15; \$5, 30 eggs. JAMES CREEGER, Route 8, Tiffin, Ohio. 12-10

White Plymouth Rocks; Bred for Exhibition and eggs; also prize winning Pekin Ducks. Eggs, \$2 per setting. HENRY SCHMITT, White City, Collinwood, Ohio. 12-10

Eggs! Eggs from Herner's White Rocks and S. C. White Leghorns; were winners for us at three different shows this season. Only birds of the highest quality are contained in our breeding pens. Eggs—\$1.50 for 15; \$6 for 100. HERNER BROS., Newton Falls, Ohio. 12-10

Bred to Lay Barred Rock Eggs, \$2 per 15. Indian Runner Duck eggs, \$1.25 per 11. MRS. ANDREW BROOKS, Auburn, N. Y., Route 6. 12-10

Eggs, Eggs! From Our Prize-winning, Heavy laying Barred Plymouth Rocks, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-10

Bradley Bros.' Barred Rocks. My Breeders Also Liltiz and Carlisle winners, for sale. \$10 pens, \$7; \$15 pens, \$10; \$20 pens, \$15. A. W. MABURGEIT, Denver, Pa. Lock Box 26. 12-12

Barred Rocks, Bradley's and Latham's Strain. My birds won again at the Great Pittsburg Show, 1907, the silver cup valued at \$50. I raised every one of my winners. Send for my new catalogue. I will sell eggs from now on at greatly reduced prices. You can not afford to miss this chance. Write soon. I will guarantee safe delivery of eggs. HARVEY L. PIKE, Meyersdale, Pa. 12-10

26 Eggs, \$1; \$3.50 per 100. Thompson's Ringlet strain of pure-bred Barred Plymouth Rocks. Write for circular. FRANK MOORE, Madison, Ind. 12-10

Great Sale!! For the Next Thirty Days I Must sell my 300 breeders to make room for my young stock that is coming on, consisting of B. P. Rocks, Wht. Orpingtons and Wht. Wyandottes. Eggs the rest of season, \$1.50 to \$5 per 15; \$6 per 100. Don't hesitate, write quick if you want something that will do you good. Send for circular. JONAS HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-10

Buff Rocks, Eggs, Half Price After May 1st, from second prize cock, Madison Square, 1907, which is \$2.50 per 15. Also my breeders for sale after May 1st. Bargains. F. H. RICKETTS, Coshocton, Ohio. 12-10

Eggs. Royal Blues, Barred Plymouth Rocks, \$1 per setting; \$3 per 50; \$5 per 100. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-10

Hayner's Exhibition Barred Rocks. If in Need of stock or eggs, write for circular. JONAS HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-9

White Plymouth Rocks—Typical Birds, Great layers. Eggs from pen headed by Henry, winner of first at Central New York Fair, \$2.50 per 15. Eggs from prize winning pens, \$1 and \$2 per 15. FRED R. WHITE, Roseboom, N. Y. 12-9

Silver-penciled Plymouth Rocks. Choice Stock, excellent layers, fine pencilling. Large Wiltman cockerel in breeding pen. Eggs, \$2 per 15. G. H. TUBESING, Red Wing, Minn. 12-10

Must Sell Five Pens of "Fishel" Strain White Plymouth Rocks. Elegant birds. Good breeders, good layers, well bred. Four hens and cock in each pen. Prices, \$10, \$12, and \$15 per pen, if taken soon. Will cost much more later. Satisfaction guaranteed. Write. COOLSPRING POULTRY YARDS, Plummer B. McCullough, proprietor. Route No. 2, Box H. Mercer, Pa. 12-10

White and Barred Plymouth Rocks, Black Langshans. Best strains eggs and stock for sale at all times. We are among the largest breeders in the East. PINE HILL FARM, Canaan, N. H. 12-10

Barred Plymouth Rocks, America's Best "Utility and beauty" strain, prize winners and world's greatest layers. Bred since 1896 for large size, vigorous constitutions, heavy winter laying, and perfection in Standard requirements. Eggs that will hatch rapid-growing, quick-mating chicks, \$2 for 15; \$5 for 45, or one excellent mother hen and twenty-five chicks two weeks old, \$6. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-11

Special 30-day Sale, Ringlet Barred Rocks, Direct from Thompson; cocks, \$2; hens, \$1.50. A. J. CHEEK, Henderson, N. C. 12-9

Buff Rocks, Nugget Strain, Eggs From Extra large, heavy winter layers, golden buff color. \$1 per 13, guarantee eight chicks. ARTHUR TAYLOR, Washington, N. J. 12-11

Closing Out All My Barred Rocks, Every Fowl and chick. No better stock in America at any price; 20 show hens, 3 pullet bred males, 5 show cock birds; these were in the winners at Washington; also 5 hens were; 10 good breeding females, 200 chicks, 3 incubators, 2 brooders, Model Cyphers; one Mann bone cutter. All machinery good as new. Price, \$200. W. L. ELSEA, Berryville, Va. 12-9

Barred Rocks (Ringlets, Bradley). Eggs, \$1 per setting, 14 chicks guaranteed. Incubator eggs, \$3.50 per 100. Every egg fertile. FAIRMOUNT POULTRY YARDS, Fairmount, Md. 12-9

## LEGHORNS

Little Leghorn Chicks (Wyckoff Strains), \$2 per doz. Safe arrival guaranteed. Circular free. BISHOP'S FARM, West Cheshire, Conn. 12-10

Greatest Profit Payers. My S. C. White Leghorn stock average 162 eggs per year on 80 cents, cost of feed. Eggs—\$1 per 15; \$5 per 100. White Wyandottes, same price, same quality. G. A. JOYNES, Langdon, D. C. 12-9

Single-combed White Leghorns. Eggs for Hatching and little chicks from fine standard and utility stock. Prices very reasonable. OTTO BROTHERS, Box 779A, Rochester, N. Y. 12-11

For Sale.—S. C. White Leghorns, Wyckoff Strain. Stock the best. Eggs, from the finest exhibition matings, \$1.50 per setting. Discounts on large orders. D. H. SCHALLER, Clark, Mercer Co., Pa. 12-9

Single-combed White Leghorns (Specialist)—I have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. SAMUEL S. BLIEM, R. D. No. 5, Pottstown, Pa. 12-10

Single-combed Buff Leghorns (Wyckoff Strain) Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Calhoun St., Lynchburg, Va. 12-10

Exhibition Single-combed Brown Leghorns, Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 12-4

Blue Ridge Poultry Yards. S. C. White Leghorns exclusively. Bred from strains selected for size, egg production, and color (fast white). Eggs, \$1.50 for 15 straight. No stock for sale. E. F. KLOMAN, Warrenton, Va. 12-9

Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 12-4

R. C. White Leghorns, Eggs, \$1.50 per 15, \$2.50 per 30, \$6 per 100. No stock for sale until fall. R. W. PRICE, Troy, Pa. 12-10

Rose-combed Buff Leghorns.—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Rose-combed Buff Leghorns, Solid Buff Matings, eggs, \$1.50 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa. 12-9

Rose-combed White Leghorns; Winners at Nebraska State Show, 1907. Special prices on cockerels. Eggs in season. Write me for mating list and prices. EVERGREEN FARM, O. O. White, Propr., Route No. 2, Clay Center, Nebr. 12-9

S. C. White Leghorns. Winners at Rochester, Syracuse, Utica, Frankfurt, Schenectady, and Albany. Eggs from special matings, \$2 per 15; \$3 per 30; incubator eggs, \$6 per 100. G. S. MOORE, Box 107, Trenton Falls, N. Y. 12-9

S. C. White Leghorns. Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2. W. J. BLAKE, Burnside, Conn. 12-11

Breeder of Single-combed Buff Leghorns Exclusively for 7 years. Arnold strain. Eggs—\$1 per 15; \$1.75 per 30; \$3 per 100. Stock in season. MRS. J. FRANK CARNAHAN, R. 3, Adrian, Mich. 12-9

Black Leghorns; Osborne's Strain Direct. Send for winnings Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. BROCKVILLE POULTRY YARDS, Brockville, Ont., Canada. 12-6

S. C. W. Leghorn Eggs, \$1.50 per 15; from Standard bred hens and 7-lb cockerels. My strain are pure white and lay extra large eggs. JOS. M. ROBINSON, Sangerties, N. Y. 12-9

3,000 S. C. White Leghorns, Standard Birds. Large, and bred for heavy egg production. Eggs for hatching from yearling hens, only \$2 per 15; \$8 per 100. BELLE HILL WHITE LEGHORN RANGE, Elkton, Md. 12-9

We know that at that time we advanced the hope that some one would be able to solve the production of beautiful Barred Plymouth Rocks under the single mating system. This was tried to a very limited extent by some who became impatient with the slow approach of success, and it was almost abandoned. Mr. Hawkins wrote in 1898 that to produce fine males it was necessary to select the very best exhibition males to head the pens. Mate these males with females of the same line of breeding as the male; this means the exhibition male mated with the very dark-colored females. With such matings, Mr. Hawkins wrote ten years ago, could be produced 95 per cent. first-class breeding males with 25 per cent. of sufficient merit for the exhibition hall. We would like to know if there is any one at the present time that can use the males and the females with the dark metallic luster of surface color, and produce first-class exhibition males from such a mating.

To some of our statements made about ten years ago relative to the breeding of Barred Plymouth Rocks, Mr. Theodore Hewes replied, taking issue with some of them. He said that he agreed with the writer that we should get surface color right, but if you tried to do it without under-color, you would be one of those disappointed exhibitors so frequently referred to. He did not agree with the writer that the judges were paying all attention to color and neglecting shape.



## Hints to Beginners



JUNE is one of the busiest months of the year for every poultryman, and especially the beginner. The hot days of June always tend to multiply the lice and mites, and these are two things that do not make the poultry thrive. The young chicks, in order to do their best, must be free from lice. Use insect powder freely. I also think that coal ashes are good to keep down the lice. Take out all the cinders and scatter the fine ashes over the coop, in corners, cracks, crevices, etc. I empty all my coal ashes in the poultry houses. Throw them over the dropping boards and nest boxes, and I assure you it will help greatly to rid your house of lice.

The chicks must be kept growing steadily now if you want them to develop into winners or early winter layers. It is not too late yet to hatch chicks. In fact, I think that June and July hatched chicks are just as valuable as those hatched earlier. It is surprising how many prize winners are hatched in June and July. A prominent Barred Rock breeder, who has a big show record at Madison Square Garden, once said "I think that June and July are very good months to hatch chicks, and I have hatched a great many of my winners in these two months." This alone is certainly proof that June and July hatches pay. Fowls hatched in these two months seem to have a better colored plumage than earlier hatched ones. Their plum-

age is mostly grown through September, October, and November—that is, the large or second growth of feathers. Of course the chick feathers are grown when quite young, but the adult plumage is mostly grown in the cool months of the autumn and is not affected by the hot sun. Birds hatched early in March and April grow their plumage in June, July, and August, the very hottest months we have, and it is the opinion of a great many breeders that the plumage is greatly affected and rather made "dull" by the intense heat of the sun. Anyhow, I know the very best birds I ever raised were hatched in June. Just try a few June and July chicks and see if they do not pay you handsomely. Of course they take a little extra care for the first few weeks, as they must have shade and not be allowed to get lousy, but barring this I think June hatched chicks are the easiest to rear of any. After they once get started there are no cold spells to set them back and they grow like weeds.

Now is a good time for a beginner to start in the poultry business at a small cost. Many breeders will sell some of their breeding birds this month to make room for youngsters, and they can be bought for nearly half what they will cost this fall. They are tested breeders, and it will certainly pay the beginner to pick up a pen or two.

Water is very important this hot weather. See that it is supplied in abundance. Do not feed corn when it is so hot. Take good care of your stock and beat your neighbor at your fall fair.—Plummer McCullough.





## Points in Judging

By I. K. FELCH



IT IS a lamentable fact that both shape and weight are ignored by too many judges, and that their awards are made on color alone. In some breeds it amounts to the mere shade of the color, in others it has dropped to the arrangement of the two colors, while again we see under-color the prime factor. To wit, it is utterly useless to put up before some judges a Rock not barred to the skin, notwithstanding that the rules forbid positive black to appear. We see specimens with the surface-color of plumage the very embodiment of the Standard and the under-color a pure, bluish gray, but failing to be barred to the skin take second place to a bird that is barred to the skin, but every bar on him a positive black. Again, we see a specimen, faultiness in shape and up to weight, failing in under-color, take a minor prize to an ill-shaped and light-weight specimen that has a better color. I need not specify any special cases. They have appeared in every comparison show in the land, and where these two considerations clash we see the majority give preference to those that excel in color.

I ask you, does color weigh anything when you come to the commercial value of the fowls as a food supply? A few years ago we had this object lesson very forcibly brought to our notice in the first-prize Barred Plymouth Rock pullet, that weighed less than four pounds, winning the blue ribbon in Madison Square Garden. Do you, reader, doubt for one moment that she was anywhere near perfect in shape, as she was five and one-half points short of Standard weight? Do you doubt for one moment when I say there has not been a show in New York or Boston where a specimen that should lose five and one-half points in weight could possible score enough to honestly win in such shows as those? This is not the only show in these two cities where small bone and small weight have received the blue ribbons that should have gone to more worthy specimens in shape and Standard weight in those classes.

No man appreciates fine color more than I do, nor do I wish to deny that when I am at a loss to place a prize under these conditions of which I write that I have always given the preference to color where the fowls were in other respects a tie. But there are more points for shape in the Standard than for color, and the Standard demands two points per pound to be cut for all deficit of full Standard weight. It also demands that these specimens, when shown, shall be judged on their actual weight, that specimens not having a weight clause, but designated as sizes, should be and are expected to be cut in keeping with apparent weight as seen by the scales in breeds having these weights.

In comparison exhibitions, specimens must have the apparent Standard weight. A small-boned, over-fat bird is not a large bird, and unless it appears to be full Standard weight this want of weight should count against it just as all defects are weighed by the judges' intellectual discrimination.

This brings home the question, have the birds that have been winning in Boston and in New York for the last five years been birds of standard weight? Or have they looked small and have been actually below standard weight to that degree had they been cut for their deficit of weight they could not possibly have won? I do not hesitate to say in every one of these two shows that I have visited to have applied the Standard for weight would have changed a majority of the awards. I am not alone in this assertion. It matters not what weight a specimen may reach after an exhibition. He or she must be weighed at the show in which they are competing and be cut for all deficit.

We know it is on record that three and three-fourths pounds in a Plymouth Rock pullet have won at Madison Square Garden, and for the time up to 1906 there has been this want of apparent weight. "In this latter year, 1906, the first-prize pullet, the first-prize cock or cockerel were all under-weight birds, and all who were at that show must admit that had these specimens been cut for weight it must of necessity have changed the award." Men who have considered this fairly have admitted to me that the above are facts. The following letter just at hand:

"Mr. I. K. Felch.

"Dear Sir: Your favor at hand. The Barred Plymouth Rock pullet that won at New York, 1907, was small in size and bone, rather poor in shape, and with considerable black on both leg and beak. I consider her too black in the bar for standard color as described in the latest revised Standard of Perfection. The hen that won at New York, 1907, was very much better in type and color, with plenty of size, and with good beak and leg, and first-class comb. The two specimens were not of the same character, and I could not see why two birds of such different type and color should win the two blue ribbons. If the pullet had been cut for weight by the Standard, she could not have won in my opinion. The narrow barring that is now required by many of the judges seems to work injury to the breed in many ways, especially in size, beaks, and legs."

In my opinion, if we are to have an increase of comparison shows, the specimens should be weighed and the judges forced to consider the fact in their comparisons. This would stop much needless criticism of the men acting as judges.

Rose-combed Leghorns. Cockerels Fine, Large, vigorous birds. Right shape and right color. Also R. C. Buff Orpingtons. Don't fail to get my prices. Eggs in season. Orders booked now. D. N. KLOPFENSTEIN, Grabbill, Ind. 12-9

Brainard's High-scoring S. C. W. Leghorns. Bred for eggs and standard requirements. Eggs, 15, \$2; 30, \$3; 100, \$6. If you mean business, request convincing photographs. Stock all sold. MRS. C. E. BRAINARD, R. No. 4, Quincy, Mich. 12-9

Rose-combed Brown Leghorns, 4 First, 5 Entries. Eggs, \$1 and \$2 per 15. A few cockerels left. W. H. CROOKS, Jndson, Ind. Ronte No. 1. 12-9

Blue Ribbon Winners at Harrisonburg and Richmond. Brown and Buff Leghorns, White Rocks. Eggs, \$1 setting. Circular free. J. N. COFFMAN, Edinburg, Va. 12-9

Single-combed White Leghorns, Blanchard Strain. White Plymouth Rocks, Flshel strain, SHAW FARM POULTRY YARDS, L. G. Gillespie, proprietor. R. F. D. No. 1, Ronseville, Pa. 12-9

Rose-combed Brown Leghorns Exclusively. Eleven years America's heaviest egg producers. Special finest cockerels, hens; rock bottom prices. Hatching eggs, 15, \$1; 100, \$4. WILLIAM SCHLUEB, Jamesport, N. Y. 12-9

R. C. Buff Leghorns Exclusively; Eggs from winners at Rochester and Auburn, \$2; pen No. 2, \$1.50. H. S. LENT, Holley, N. Y. 12-9

S. C. Brown Leghorns. I won 4 Firsts in Strong competition at Sun Prairie, Wis., Jan. 23, 1907. Eggs from prize winners, \$2 per 15; \$3.50 per 30 Satisfaction guaranteed. M. I. MICHAELSEN, R. 2, Mt. Horeb, Wis. 12-9

Wyckoff's Laying Strain Single-combed White Leghorns; 13 eggs, \$1. Ang.-Dec. cockerels for sale at \$1. SANDY KNOLL POULTRY YARDS, Evendale, Pa. Box 43. 12-9

Rose-combed Brown Leghorns. Grand Layers. Eggs, \$1 per setting. Pit Games, \$1.50; handsome cherry red colors, line-bred. Address, S. H. EVERETT, Stockton, N. J. 12-9

Single-combed White Leghorns (Wyckoff). Vigor, business, beauty, unexcelled. 15 eggs, \$1; 100, \$5. Special mating, 15 eggs, \$1.50. E. E. BUSH, Royersford, Pa. 12-9

Rose-combed Brown Leghorns. Eggs for Hatching, from good matings, \$1 per 15; \$4 per 100. Heavy layers. Good size. FLOYD DADISMAN, Independence, W. Va. 12-9

Rose-combed Buff Leghorns. Pure Gold Strain. Three firsts, Delavan, 1906. Eggs, yard 1, \$2 per 15; yard 2, 3, and 4, \$6 per 100. O. E. DAVIS, Walworth, Wis. Box D. C. 141 12-9

Single-combed Brown Leghorn Eggs for Hatching. From the best of stock. Write for mating list and show record. CHAS. O. MIERS, 609 S. Main St., Bangor, Pa. 12-9

Rose-combed White Leghorns Exclusively. Fine, large thoroughbred birds. Large eggs and plenty of them. 15 eggs, \$1; 100, \$5. ELLA WALTMAN, New Albany, Pa. 12-9

Rose-combed White and Rose-combed Brown Leghorns. Eggs from fine matings, 15, \$1.50; 39, \$8; 100, \$7. J. W. COOK, Route 7, Blinfton, Ind. 12-9

S. C. Brown Leghorn Eggs, \$1 for 15 (Kulp strain) From Coheskill. First prize winners. Houdans, cockerels for sale, \$1 each. Correspondence solicited. LESLIE D. SMITH, Charlottesville, N. Y. 12-9

Kugler's Buff Leghorns. For Buffs That Are Buff look up my ad on back cover. Eggs for hatching. Send for mating list. JAS. KUGLER, Jr., Frenchtown, N. J. 12-9

Eggs for Hatching—White Leghorn and White Wyandotte; fine egg laying strain—eggs \$2 per fifteen; \$5 per fifty. A. CAMPBELL HERRICK, Washingtonville, N. Y. 12-9

S. C. W. Leghorns. 100 Pullets for Sale. Eggs for Hatching—15 for \$1.50; 100 for \$6. Day-old chicks, \$15 for 100. Address C. B. KROGMANN, Jr., 2002 Fourth St. N. E., Washington, D. C. 12-9

Single-combed White Leghorns; Prize Winners at Olean, Bradford, Sharon, Erie, and Rochester, N. Y. Breeder 20 years. Egg bargain. Circular free. W. GRAY, Warren, Pa. 12-9

Single-combed White Leghorns. Many Years a breeder and exhibitor; winning my share. Eggs, \$1 per 13; \$5 per 100; J. A. SHINEMAN, Canajoharie, N. Y. 12-9

Rose-combed White Leghorns—Kulp-Stafford Strain—premier layers. Large white eggs for hatching from free range stock. JOS. F. R. BONIFACE, Morristown, N. J. 12-9

Single-combed Brown Leghorns Exclusively. Send for my 18 years' show record and convince yourself that I have won more prizes than any other breeder in the West. Eggs, \$1.50 and \$2 per 15. C. F. LANG, La Crosse, Wis. 12-9

S. C. White Leghorns—E. G. Wyckoff Strain—Eggs—\$1 per 15; \$5 per 100. Little chicks, 10 cents. Stock for sale. Honorable treatment. Circular. LOCUST POULTRY FARM, Canton, Pa. 12-9

Prize-winning Single-combed White Leghorns, scoring above 93%. Eggs, \$1.50 per 15. Barred Rocks, 75 cents per 15. N. A. DOMBART, M.D., Evans City, Pa. 12-10

Bell's Black Leghorns (Pure Yellow Legs). They are the coming fowl for eggs. Prize winners wherever exhibited. My customers having won at Madison Square Garden last two years. Eggs for hatching. W. G. BELL, Henvelton, N. Y. 12-10

Single-combed White Leghorns. Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punxsutawney, Pa. 12-10

Thoroughbred Single-combed Brown Leghorns, White Wyandottes. Eggs for hatching, \$1 for 15. Satisfaction guaranteed. J. W. BRADLEY, Fountain City, Ronte 3, Tenn. 12-10

R. C. Brown Leghorns; 242 Egg Strain; Direct from Kulp's Yards. Limited number of settings at \$1 per 15. WM. L. HOWELL, Box S, Geneseo, N. Y. 12-9

30 Eggs, \$1.75. Rose-combed Brown Leghorns, Kulp and Tabor strains; owner of 237 egg hen, dam 1st pullet, Springfield, Mass., Dec., 1906. WM. H. ROBERTSON, Halls Corners, N. Y. 12-10

S. C. White Leghorns Exclusively. Eggs, \$2 per 15. Fifty one and two year-old breeders after June 1st. Write for record. HOWARD POULTRY YARDS, Ft. Wayne, Ind. 12-10

Rose-combed Brown Leghorn Eggs for Setting; 13 for \$1, or \$7 a hundred. Also a great Leghorn cock for sale. This is as good a pen of birds as owned in state, and will breed winners. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 12-10

Prize-winning Single-combed White Leghorns and Silver-spangled Hamburgs. Eggs, \$1.50 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

Single-combed White Leghorn Hens and Cockerels, \$1 apiece. Special prices on twenty-five or more. Two good beagle hitches cheap. C. C. COBLE, Middletown, Pa. 12-9

Single-combed Brown and Buff Leghorn Eggs. Write for prices. Pens scoring 93 to 95. Buff Solid Buff, Great laying strains. Barred Rocks. Bright strain, fine specimens. Address J. F. MCCONNELL, Polk, Ohio. 12-11

Rose-combed Brown Leghorns, Winners of the Blue. White Wyandottes, winning first cockerel at Warren. Write your wants. JAMES MOODY, Route 3, Newton Falls, Ohio. 12-11

75 Cents for 13 S. C. Brown Leghorn Eggs. The kind that lay in winter. Also S. C. Buff Orpington. MARIE LITTLEJOHN, R. 2, Kentland, Ind. 12-10

### WYANDOTTES

Columbian Wyandotte Settings Half Price After May 20th. Choice birds from our breeding pens at bargain! H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-10

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-11

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-11

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 12-11

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 12-12

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Duston's White Wyandottes, the Stay-white Kind that lay the big, brown egg, and lots of them. JOHN HAGAMAN, Hazleton, N. J. 12-9

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 12-12

Golden Wyandottes, Keller and Jones Strain. Excellent layers. Eggs, \$1.25 per 15; \$2 for 30; \$3 for 50. No further reduction. LEMUEL GRETH, Wernersville, Pa. 12-9

Golden Wyandottes—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 12-14



**Partridge and White Wyandottes, White Plymouth Rocks, Doolittle, Dunston, and Fishel Strains direct.** Secret of telling laying hens with every order of stock or eggs. **BYERS BROS., Mercer, Pa.** 12-10

**Whites of Stay White Wyandottes, Great Egg producers.** Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. **W. E. SHOEMAKER, Laceyville, Pa.** 12-9

**Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year.** Eggs, \$2 per 13. **H. F. CHASE, Andover, Mass.** 13-4

**Golden Wyandottes Only. Keller Strain.** Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. **W. S. BUSH, Catasauqua, Pa.** 12-10

**Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show.** Eggs in season. Stock for sale. **WM. H. EDELER, Belair, Md.** 13-5

**White Wyandottes! Pure, White, Short Legs and Blocky.** Good layers of large, brown eggs. First prize hen at Newark, 1906. All selected breeders. Eggs, \$1.50 per 15; \$4 per 50; \$7 per 100. Satisfaction guaranteed. **W. T. FOSTER, Woodstown, N. J.** 12-10

**Wyandottes; White and Silver-penciled.** At Utica, N. Y., January, '07, I won 22 regular and 17 specials on these varieties, including every first prize. Eggs, \$2 and \$3 per setting. Send for mailing list. **AUSTIN G. WARNER, New York Mills, N. Y.** 12-10

**Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Little, and Philadelphia.** Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm stock. **T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa.** 13-5

**Staggs Range Farm White Wyandottes; Remember one of the great laying strains; quick growing, early maturing; eggs for hatching from high-class matings, \$2 and \$4 per setting; Utility, \$1 per setting, \$5 per 100. Circulars.** **HENRY W. KRAMER, Specialist, Glenville, York Co., Pa.** 12-9

**Golden Wyandottes Exclusively. Bred from Chicago winners; all breeding pens headed by first prize birds; years of experience; long record of show winnings enables us to raise quality of highest merit.** Eggs, \$2.50 for 15. **EVERHART & ROGERS, Keyser, W. Va.** 12-9

**Buff Wyandottes, Prize Winners, Marvelous Layers.** Eggs from birds scoring 91 to 94½, \$2 per 15; \$3.50 per 30. **E. P. CUTLER, Carthage, Ill.** 12-9

**Columbian Wyandottes, "the Kind That All the world will have."** Ten grand pens. Silver-penciled Wyandottes, fine as silk. American Dominiques—the real old-fashioned kind. Light Brahma Bantams—beauties. Nice circulars. **DR. HAWKWOOD, Chas. Falls, Malone, N. Y.** 12-9

**Columbian Wyandottes of the Best Prize Winning strains.** Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. **ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y.** 13-6

**Silver-laced Wyandottes Exclusively for Ten years.** Dr. Beckett's original mating. Stock and eggs for sale at right prices. Satisfaction guaranteed. Write for quotations. **D. LEWIS, Keyport, N. J.** 12-9

**America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows.** Birds and eggs. **SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y.** 12-12

**Silver Wyandottes, Beauty and Utility Combined.** write me; I have a story of eggs and awards, or trust me and send \$3 for 15 eggs; \$5 for 30; and be convinced. **H. F. ATIERTON, Moosic, Pa.** 12-9

**2d Partridge Wyandotte Cockerel at Boston, 1907.** I own, bred and raised. Eggs, \$3.50 per setting, from two choice pens. **F. C. BURBANK, Sandwich, Mass.** 12-9

**Golden Wyandottes and S. C. Buff Leghorns.** Farm raised. A few good Wyandotte cockerels left. Keller strain. Prices reasonable. Fine strain of Buff Leghorns. Eggs, \$1 per setting. **I. G. LONGENECKER, Palmyra, Pa., Rte. 1.** 12-9

**Columbian Wyandottes, Winners at Boston Three years.** Eggs, \$2 for 15; \$5 for 45; write for circular. **R. G. RICHARDSON, R. F. D. 2, Lowell, Mass.** 12-9

**White Wyandottes, Fowls and Eggs, Fishel Strain.** Stock direct from champion "Wonder." None better. Write for full particulars. **W. B. ELLSWORTH, Brookwood Farm, Ottawa, Ill.** 12-9

**White and Partridge Wyandottes.** Eggs from birds that scored 95 points. Satisfaction fully guaranteed. Eggs, \$1.50, 15; \$6, 100. **R. A. GRAFF, Jamesburg, N. J.** 12-9

**At Boston Show, 1907, on Golden and Silver Wyandottes we won \$60.** Eggs for hatching from Golden, Silver, Buff and Black Wyandottes at \$3 per 15, or \$5 for 30 eggs. Less than 11 chicks per setting, eggs duplicated at one-half price. **WOOD & FREEMAN, Fitchburg, Mass.** 12-9

**"White Frost" Strain—White Wyandottes, 32 ribbons; 14 specials; silver cup for best pen, any variety, this fall.** Eggs, \$3 per 13. **CHARLES D. CLEVELAND, West Orange, N. J., Box A.** 12-9

**Buff Wyandottes, Partial List This Season's winnings.** Cambridge, cock 1, hen 3, pen, old, 1; pen, young, 1; cockerels, 1, 2; pullets, 1, 2; two specials. St. Albans, 4 firsts, 10 specials. Frankfort, 4 firsts, 9 specials. Eggs, \$2, \$3, 15. Club member. **STUART A. HOWLAND, Granville, N. Y.** 12-9

**Columbian Wyandottes and Light Brahma Cockerels, Autocrat strain; a few fine cockerels for sale; \$2 to \$5 each.** **MRS. ROSA J. HOLWAY, East Sandwich, Mass.** 12-9

**White Wyandottes, Great Winter Layers, Exhibition quality.** Eggs. Day old chicks and breeders for sale. Send for circular. **W. E. COOK, Route 4, La Grange, Ill.** 12-9

**"A Square Deal." Would You Like to Buy Eggs for hatching from pen of White Wyandottes, scoring from 94 to 96½ points? Every bird above Standard weight. Fine in shape, milky white plumage, golden yellow legs and beaks, and grand layers.** If interested, write **W. G. HALL, Batsto, N. J.** 12-9

**White Wyandottes. Eggs after March 1st, at \$1 per 15; \$2.50 per 50.** Circular for stamp. **FAIRVIEW POULTRY FARM, Homer, Mich.** 12-9

**Partridge Wyandotte Specialist. Winner Leading shows, including first cock and other winnings at Boston, 1907.** Eggs. Catalogue free. **C. E. GEORGE, Union City, Mich.** 12-9

**Lakewood Farm—Famous White Wyandottes, farm bred.** Eggs for hatching, \$2 per 15; \$8 per 100. Day old chicks our specialty. **LAKEWOOD FARM, Holland, Mich.** 12-9

**Raven Rock Poultry Farm, White and Buff Wyandottes (Dutton and Hawkin strains). Thoroughbred, farm raised, large, vigorous birds, bred from selected winter layers.** Eggs for sale. White, \$1 per 15; Buff, \$1.25 per 15. **I. G. WATERS, Guernsey, Ohio.** 12-9

**I. X. L. Poultry Yards. Golden Wyandotte stock and eggs for sale.** Catalogue free. **J. F. SCHIOLZ, Erie, Pa., Station No. 439.** 12-9

**My Partridge Wyandottes Won Second Cockerel and third hen at Providence, 1906.** Eggs, \$2 per 13. **F. A. BAILEY, Hope Valley, R. I.** 12-9

**Perfection White Wyandottes. "The Name Tells a true story." Exceptionally fine; short-backed, deep-bodied, white and blocky.** Eggs, 15, \$1.50; 30, \$2.50. Stock for sale. **R. W. LUCKETT, Loudoun Poultry Yards, Lucketts, Va.** 12-9

**Thoroughbred White Wyandottes. Exceptional winter laying strain. Stock and eggs for sale.** Write for particulars and prices. **R. G. HARKINS, Hickory Hill, Pa.** 12-9

**Partridge Wyandottes. Partridge Wyandotte Eggs—15, \$1.50; 50, \$4; 100, \$7.** Stock scoring to 93½. Size and color. I can positively please you. **ED. SCHMIDEMANN, Lakemills, Wis.** 12-9

**Partridge Wyandottes. Adams' "Goldbanks" Have won 62 prizes at 4 state shows.** Four grand yards; stock; eggs; circular. **"PARSON" ADAMS, Altoona, Iowa.** 12-9

**White Wyandottes—Won at Harrisonburg Show, December, 1906, 1st pen; 1st, 2d, 3d, 4th pullet; 1st, 2d cockerel; 2d hen. Also Single-combed Rhode Island Reds won 1st, 2d, 3d pullet. Trap nests used. Eggs in season. Booking orders now. Satisfaction guaranteed. Correspondence solicited. Member National White Wyandotte Club.** **WESTOVER POULTRY FARM, J. P. Bowers, Mgr., Harrisonburg, Va.** 12-9

**Doolittle Strain Partridge Wyandottes, White Wyandottes and R. C. Reds. Cockerels, \$1.50 up.** Eggs, \$3 per setting; \$5 per 30. **C. M. STINE, Holtz, Pa.** 12-9

**My White Wyandottes Are Winning Blue Ribbons, and will for you; are grand layers, and score as high as 95½; small matings; extra fertility.** Eggs \$2 and \$3 per 15. **A. C. S. BEDMAN, St. Albans, Vt.** 12-9

**Columbian Wyandottes — Richardson Strain — Direct. Unexcelled for exhibition and utility.** Eggs from prize winning stock, \$2 per 15. **FRANK VAN WAGNER, Salt Point, N. Y.** 12-9

**Dunston Strain White Wyandottes Exclusively; bred for heavy laying.** Eggs \$1.50 per setting. Liberal guarantee. Booklet. **STANLEY E. ASSON, New Egypt, N. J.** 12-9

**White Wyandottes Exclusively (Dunston's and Hallcock's direct). Positively pure.** Eggs—\$1 per 15; \$1.75 per 30; \$3 per 60; \$5 per 100. Illustrated folder free. **HARRY AULENBACH, "Grand View," Wernersville, Pa.** 12-9

**Snow-white Wyandottes; Winners and Layers.** Eggs now \$2 per setting. No more stock for sale. **MRS. ANNA KLOPP, Route 1, Stevens, Pa.** 12-10

**Pure Bred "Stay White" White Wyandotte Eggs for hatching, \$2 per 15; or \$3 for 30.** **JAMES T. BOYD, Rardin, Ill.** 12-10

In the late shows it has been stated that in the breeding pens the judges gave greater consideration to weight and apparent large size in the winning pens. I am glad to know this. While the first-prize pullet was criticised for small weight it was complimented for color. In this article I wish to emphasize this fact, that weight and shape are the ground consideration for production, in that by it we secure the greatest amount of poultry for food consumed and that from such we obtain the largest number and largest eggs and all that is practical in poultry culture.

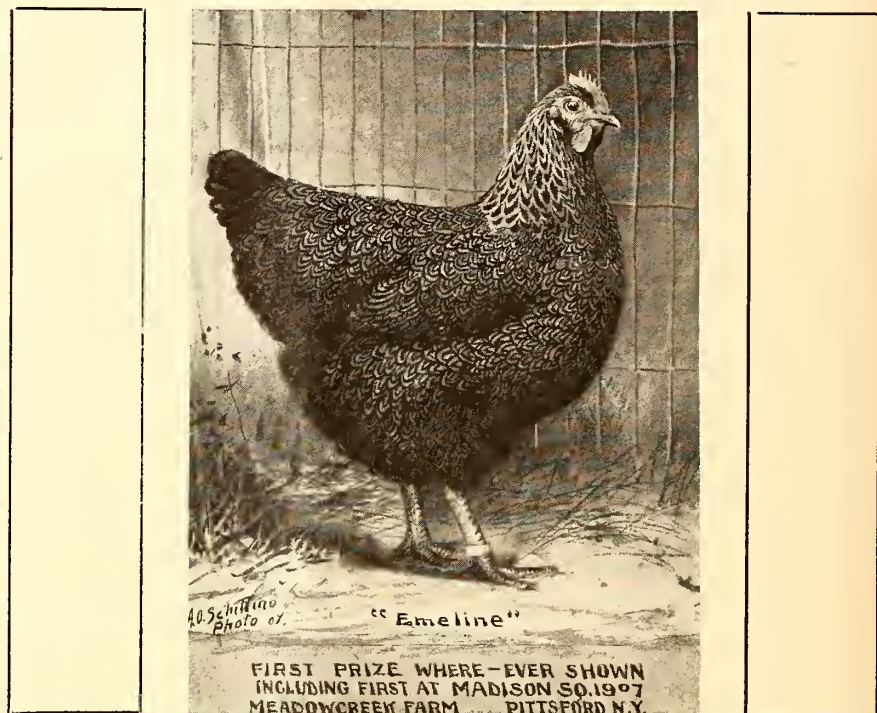
Shape, weight, and color should be equal in consideration when awarding prizes in our exhibitions. I once visited a breeder of Dark Brahmas, and saw in his best breeding pen a female weighing less than four pounds used just because of her exquisite penciling. Would you buy eggs from such a female, when the disqualifying clause in the Standard was

actually weighing the most should win, for the reason there is actual value in weight in excess of the tie.

Once having judged upon their individual merits, and thereby having found their true standard value, how can we otherwise than declare the following as unconstitutional, to wit: "In judging sweep-stake prizes: all cut for weights and size shall be eliminated from their scores."

Every word and line is in direct opposition to the written law for the breeds having a weight clause in the Standard and a straight bid and gift to every specimen that has been cut for size or weight in the exhibition where this rule is being observed. It becomes a gift to all specimens that by this rule evade the law. As a judge in equity between breeds I can not nor will not apply the rule in any show where I am to judge, for I consider it unconstitutional.

It is the height of folly to have any



PARTRIDGE PLYMOUTH ROCK

five pounds and the full standard weight seven pounds?

The day has long passed when we should forget the practical considerations for breeding purposes in awarding prizes in our exhibitions.

Now, what are some of the causes for this failure to apply the Standard and for giving fictitious merit and false representations to these small-sized winners, and what influence follows but that will increase the evil in breeding the American varieties? In every American breed the law is implicit that they shall be scored (that is, judged) on their actual weight at the time they are judged, and to cut two points per pound and any fraction thereof for all deficit of Standard weight. This has to be done to ascertain the true and honest value of the specimen in competition for any prize. Now, any rule that in any manner depreciates the standard value thus ascertained, or in any way gives one specimen or one breed an advantage by depreciating standard value, becomes unconstitutional and void. This is the usage and precedent of all courts of law and justice.

The common usage, which is followed in the absence of specific law, has been that even in breeds whose size appears for weight, in case of ties the specimen

such conflicting clauses or sentences in the Standard, for there is a way to get rid of them without leaving them for contention until the next revision. Their influence is nullifying and a detriment to the breeder and the breeds. Any society that sanctions the rule is guilty of nullifying the law. Any body or society having the power to enact has at all times the power to repeal any enactment that nullifies its law, and it is the duty of the American Poultry Association to repeal just as much as any other duty when such repeals protect the breeds. Repeal is not revision of the Standard. The Standard was made and is expected to protect the breeds.

The above is not the only ruling that should be repealed at once. The rule to cut for overweight and to declare the specimen when tied that the one nearest the Standard weight shall win is equally at fault. More than one case can be named of its injustice already. Take this case for instance: A White Wyandotte cockerel cut three for lack of weight, scored ninety-two points; another cut three points for overweight scored ninety-two points, but the smaller one wins the prize because nearer standard weight, for all that the larger one beats the smaller eight points in weight, and weighs four



pounds the most, which would make it sell for 80 cents more in the market. Is there any justice in such a decision?

Again we see in the preamble of White Wyandottes, this: "In all effort to increase its present standard, size has proved detrimental to the breed." It is anything but the truth. This and the foregoing is having a baneful influence upon the breeding of the whole list of the American classes. For any intelligent breeder knows that anything which tends to deteriorate the size has a like influence to deteriorate in other essentials in any breed. No one dare tell me that the Barred Plymouth Rocks lay as many eggs per capita in large flocks as they did when

the average weight of the breed was larger than to-day. No breeder can deny that the eggs laid by the average flocks are as large as they used to be before this color craze got possession of the breeders who are controlling our exhibitions, and the judges who can not see any merit unless the plumage is barred to the skin. Weight is just as much a Standard requirement as shape and color, and shape and weight make the breeds' commercial value as a food supply. If eggs were sold by the pound, you would see a hustle for weight and shape that would make the intelligent and generous breeder laugh at the grimaces of some of our color cranks to-day.



## Select the Breed

THE following article is copied from The Farmer and Breeder and should be a valuable guide to all who have in mind improving their flocks through the purchase of standard-bred specimens to cross with their hens:

"A mistake often made on farms and poultry yards conducted on a small scale, is the purchase of pure-bred cockerels at a high price, then turning them loose with a mixed flock of hens. Perhaps they will keep these cocks one or two years, and next time get still another breed of cockerels, turning these also loose with the still more mixed flock. Of course, having the cockerels all one kind and of good blood, is a step further in the right direction than were several cockerels of different breeds and indifferent breeding are used, as is often the case, yet it is a very slow and unsatisfactory method of building up a flock. I know one poultry raiser who has four different breeds of full-blooded hens on his place. He also has four different breeds of pure-bred cockerels, for which he paid a fair price. They all run together in one flock, and yet he could not understand why people were not willing to pay something extra for the eggs from this flock when he paid so much for his cockerels. Personally, I would rather have had a setting of eggs from one breed of inferior rating than the mixed lot sure to result from such a mix up. It is an expensive mistake to put money into more than one breed unless they are to be kept entirely separate during the breeding season. It seems strange that people can not see this.

"I always feel a keen disappointment when I see a neighbor who has through several years of careful selection built up a nice flock of uniform breed, just when they have reached a place where they may derive a nice profit from the sale of eggs for hatching or extra pullets and cockerels for breeding, introduce another breed of cockerels or hens and in a single season undo all their previous work. And yet we see this done all around us every year. If they run into a streak of bad luck in hatching or raising their chicks, if the hens do not lay as well as usual, it is all

laid to the breed, and a change is made. If you are dissatisfied with your present breed of fowls do not buy a different breed of cockerels for mating with your hens, but rather buy one cockerel of a chosen breed and ten or fifteen hens of the same breed. Keep them penned for the season, save every egg, and you will then in one season have a nice flock of pure-bred fowls of your chosen breed. You can doubtless sell enough cockerels from this pen for breeding purposes to buy more pullets of the same breed if you did not raise enough to satisfy you. Then dispose of all the old breed before another hatching season, when there will no longer be any need of keeping them penned unless you desire to do so for bettering the quality of your stock. Many think they can keep a few hens of another breed to help fill out the flocks and pick out the mixed chicks and market or eat them in the fall. But you can not do this. I have seen a Barred Rock hen mated to a White Rock cockerel, hatch a brood of chicks (her own eggs), every one of which was white. A few of them had dark legs, but some appeared to be as well bred White Rocks as any of the flock. Now one of these chicks is left in the flock, its eggs laid along with the rest of them, would be apt to show some mixed chicks, and others again would be indistinguishable from the pure-bred birds, so you see the influence of such a cross would be felt in the flocks for years.

"We once had a Black Spanish hen with our Barred Rock hens. Though we saved no pullets in the fall but the most perfect barred ones, we continued for several years after this hen was dead to get an occasional chick that we knew came from her old stock. A chick half one blood and half another may in appearance look like a full-blooded specimen of the one breed, yet the other breed will crop out in its pregnancy. I am writing these things for the benefit of those who are merely building up a blooded flock for farm or market purposes only. The grower of pure birds for breeding and show purposes is already aware of these things, and, of course, would never by any means allow a bird of which he was in the least doubtful among his flock."

White Wyandottes Exclusively; Keeler Strain. Eggs—\$2 per 15; \$3.50 per 30. Write for prices on stock. ANNA MAGEE, Winamac, Ind. 12-10

White and Columbian Wyandottes; St. Lawrence strain. You want the best laying and exhibition strain on earth—write me. A. N. COWELL, Brashear Falls, N. Y. 12-10

Prize-winning White Wyandottes, and Barred Plymouth Rocks. Eggs—\$2 per 15; Incubator, \$5 per 100. All great winter layers. S. A. BANE, Claysville, Pa. 12-10

Silver-laced Wyandottes and Single-combed Black Orpingtons. Stock and eggs in season; write for prices. H. F. BERGNER, South Chicago, Ill. 12-10

Doolittle's Partridge Wyandottes; the Original strain. Won a majority of prizes at World's Fair, Chicago, Boston, and New York. Eggs for hatching. Catalogue, "How to Mate and Breed Partridge Wyandottes," 10 cents. DOOLITTLE, the Partridge Wyandotte Man, Sabetha, Kans. 12-10

Hacker's White Wyandottes. Hens, Cockerels, pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. tf

Partridge Wyandottes Exclusively. Eggs, 15 for \$1; 100 for \$5. J. J. MYERS, Route 3, Freeport, Ill. 12-10

Columbian Wyandottes, Exclusively. My Stock is direct, each year, from McIntosh (the originator). Madison Square prize winners. Eggs, \$2 per 15; \$3.50 per 30. WILLIAM REID, Box 97, Hopewell, N. J. 12-10

We Were Winners at Great Pittsburg Show, 1907—Silver-laced and White Wyandottes and Buff Orpingtons. Eggs, \$1.50 per setting. McNEES BOYS, Beaver, Pa. 12-10

Wood's White Wyandottes Win in the Egg Basket. Nine years' breeding for utility. Forty acres. Eggs, \$2 per setting. F. H. WOOD, Cortland, N. Y. 12-10

White Wyandottes, Single-combed White and Buff, and Rose-combed White Leghorns, \$1.25 per 13. HENRY ROBINSON, Lestershire, N. Y. 12-10

White Wyandottes, S. C. B. Minorcas, Pen headed by males that won 1st at Portland and Manchester. Eggs, \$2 and \$1 per 15. MERCY HOME, 86 Mammoth Road, Manchester, N. H. 12-10

White Wyandottes (Duston), High-class Stock, bred for utility and beauty. Eggs, \$1 per 15. Breeders for sale after June. F. L. BALLARD, Lebanon, Ky. 12-10

Columbian Wyandottes. First Prizes at Lititz, Dallastown, and Ephrata. Eggs, \$1.50 per 13; \$3 per 30; \$4.50 per 50; \$8 per 100. LEWIS O. MAYER, Millersville, Pa., Route 2. 12-10

Columbian Wyandottes. Bred for Quality and utility. Immense layers. Eggs for hatching, \$1, \$2 and \$5 per 15. Stock for sale in season. CANFIELD POULTRY YARDS, Hope Valley, R. I. 12-10

Silver-laced Wyandottes. Eggs, \$1.50 per 15, from pen 1; \$1 per 15, pen 2. Rest of season. MAPLEWOOD FARM, R. R. 12, Haubstadt, Ind. 12-9

Eggs, Eggs! From Our Prize-winning Snow White Wyandottes, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. tf

White Wyandottes, Farm Raised, Duston's, Direct. They please others, will please you. After June 1, eggs 50c per doz. Circular. MRS. BENJ. PRICE, Earleville, Md. 12-10

White Wyandottes, Exclusively. Some Good breeders for sale, \$1.25 up. Orders from this adv. given my personal attention. Eggs, \$1.25 per setting; \$5 per hundred. H. E. WINSLOW, Taylorville, Ill. 12-11

Elmer Gimlin, Taylorville, Ill. White Wyandotte specialist. Exclusive business. Duston strain. Eggs, \$1 per 15; \$4 per 100. Immediate and satisfactory service. Catalogue free. 12-9

Golden Wyandotte Bargains. Eggs, \$2 for 45. Good year-old hens, five for \$5. Half-grown chicks, seven for \$5. L. S. GROSE, Pleasant Valley, W. Va. 12-9

Buff Wyandottes; Eggs Now Half Price. This year's breeders, \$1.50 up. All good stock; some fine show birds. Circular free. J. E. WILMARTH, Amityville, N. J. 13-4

Eggs From a Grand Pen of Partridge Wyandottes. \$2.50 for 15. Young stock for sale in the fall. ORLAND POULTRY YARD, E. W. Leonard, proprietor, Orland, Ill. 12-11

White Wyandotte Eggs from My Standard-bred heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circular free. R. C. WARMAN, Washington, N. J. 12-11

### MINORCAS

Rose Comb Black Minorcas Exclusively. Breeding and exhibition birds at reasonable prices. Eggs, \$3 for 15; two sittings for \$5. I breed for quality and guarantee satisfaction. ALBERT FLETCHER, Jr., Warrenton, Va. 12-9

Dexter's S. C. Black Minorcas; Leading Winners at Boston since 1896. Imported stock bred. Will produce grand birds. GEO. H. DEXTER, County Park, Everett, Mass. 12-9

Rose Comb Minorcas, Black and White, Winners Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

Black Minorcas! Rose Comb and Single Comb; large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock or eggs in 1907. If you mention The Feather when ordering it. ED CROUCH, Twinning, D. C. tf

Rose and Single-combed Black Minorcas Exclusively. Eggs, \$1 per setting of 15. Pleased customers everywhere. Write for circular. THEODORE W. KOOP, New Bremen, Ohio. 12-9

Exclusively High-class, Rose-combed Black Minorcas. Eggs. Prize winning stock. Pen of ten averaged the past year 204 eggs. Book your order now. G. S. TREDWAY, 310 So. 4th St., Coshocton, Ohio. 12-9

Minorcas in All Their Purity, the Largest Non-setters on record. My birds are not in-bred, and are up to the standard on weight. R. C. Black, S. C. Black, and S. C. White. Eggs, \$1 per setting. LOUIS WABER, New Galilee, Pa. 12-9

Minorcas—Black Diamond Strain—Five Pens; All overweight; none better; satisfaction guaranteed; twenty-three years breeding them. Write CHAS. W. BROCKWAY, Monsey Ave., Scranton, Pa. 12-9

Minorcas! R. C. W., R. C. B., S. C. W., S. C. B. The only plant in the world raising all varieties; 80 acres devoted to them; 180 prizes. If you want good layers (240-egg strains) and prize winners, we have them. Fine cocks and cockerels for sale. Eggs—\$3.50 per 15; \$6 per 30. THE MARYLAND POULTRY FARM CO., Incorporated, Annapolis, Md. 12-9

White Cloud Strain White Minorcas; Very Large White Wyandotte Prize Winners. Eggs, \$2 for 15. R. L. BLAIR, Castle Creek, N. Y. 12-10

Single-combed Black Minorcas and Salmon Faverolles; highest quality only. Minorcas have won everywhere shown. Stock and eggs. J. G. ARMSTRONG, Grosse Pointe Farms, Mich. 12-10

S. C. B. Minorcas. Original stock "Northup's" eggs, for hatching, from select, large, well-mated birds. Write for price, etc. WM. DUSENBERRY, Dingmans Ferry, Pa. 12-10

Krenn's S. C. Black Minorcas—Winning at New York State Fair, 1906, four firsts, three seconds. A fine lot of young and old stock for sale. Eggs in season. Circular free. JOS. G. KRENN, 144 Beecher St., Syracuse, N. Y. 12-10

Rose-combed Black Minorcas (Northup Strain); 15 eggs, \$2. Best pen, \$3. EUG. A. LOISEAU, Spring Valley Ave., Hackensack, N. J. 12-11

Rose-combed White Minorcas, Prize-winning stock. Young birds and eggs for sale. No cheap stock. Write for circular. KENYON BROS., Elkland, Pa. 12-11

Single-combed Black Minorcas Exclusively (Northup strain). At Kingston and Walden on eleven entries won nine firsts, two seconds. 15 eggs, \$1.50; 100 eggs, \$8. B. C. DEYO, New Paltz, N. Y. 12-9

"Round's Ideal" Black Minorcas. Best Sittings only \$1.50 now. Good hatch guaranteed. Circular free. SPRING WATER POULTRY FARM, Owensboro, Ky. 12-11

### RHODE ISLAND REDS

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-9

Special Prices on Eggs from Now to End of season. Red Cherry Strain Rhode Island Reds, Rose and Single-comb. See April and May numbers for winnings. I win, my customers win. A. H. SINSABAUGH, Wyalusing, Pa. 12-9

R. C. R. I. Reds. Eggs in Season, \$1 and \$1.50 for 15. H. R. ARMSTRONG, Route No. 1, Box 73, Edgerton, Kans. 12-9

R. C. Rhode Island Eggs for Hatching, \$1 per setting, \$5 per 100. Tittles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Single Comb Rhode Island Reds. 25 Prizes Won at New York, Hagerstown, Mineola. Send stamp for egg circular. ROBERT SEAMAN, Box 17, Jericho, N. Y. 12-10

Standard Bred Rose Comb Rhode Island Reds. Great layers and red to the skin. Eggs, \$1.50 per 15; \$6 for 100. C. SWANSON, Sycamore, Ill. 12-10

Rose-combed Rhode Island Reds. Special Matings, eggs, \$1.50; utility matings, eggs, \$1 per 15. Circular. JAS. J. BROWN, 36 Second Ave., Scottsdale, Pa. 12-9

S. C. Rhode Island Red Eggs for Sale from Good, strong, well marked stock; \$2 and \$3 per 30. MRS. HARLEY NETTLETON, Benedict, Nebr. 12-9



Single-combed. Four Firsts, Geneva. Nearly All best prizes, Cleveland, including 1st breeding pen and Silver Cup best display. Egg catalogue free. IRA M. CROWTHER, "F," Willoughby, Ohio. 13-5

Rhode Island Red Specialist. Single and Rose-combed. Eggs, \$3 per 15; \$5 per 30; from Red Winners, no other grade. Satisfactory hatch guaranteed. P. I. HORNING, Alden, Minn. 12-10

Madison Square Garden, New York, Winnings 1905-06 on Rhode Island Reds; eggs, \$1.50 per setting; \$5.75 for 50; shipped any distance. WALKLING HENNERIES, West Medford, Mass. 12-11

Send 2-cent Stamp for Catalogue; Gives Price on eggs and birds; contains sixteen cuts of prize winners, made from life; many pointers on poultry, egg-laying, and prize-winning Rhode Island Reds. BIXBY & BIXBY, Council Bluffs, Iowa. 12-9

Rose-combed R. I. Reds—Prize Winners Wherever shown. Eggs, \$1.50, \$2 per setting, 15 eggs. We are one of the oldest breeders in Ohio. Good stock for sale and eggs in season. M. F. MIESSE, Lancaster, Ohio. 12-9

Rose-combed Rhode Island Reds. Prize Winners. Eggs, best pen, \$3 per 15; second pen, \$1 per 15. Cockerels, \$1.50 to \$10. MRS. E. G. CROSLLEY, Farina, Ill. 12-9

Rose-combed Reds, Yards Headed with Cock scored 94½; pullets, 94½. Eggs, \$3, 15. Silver-laced Wyandotte cockerel, scores 93¾; pullets, 95. Eggs, \$3, 15; scored by Riggs and Humlick. Won the blue every time showed. WILL THOMAS, Belleville, Wis. 12-9

Cliff Crest, Rose and Single-combed Reds. Eggs, \$3 per 15. Not a bird scores less than 91. Cockerels for sale. J. B. CLIFFORD, Wellington, Ohio. 12-9

Single-combed Rhode Island Reds. Better Than ever. Bred from best stock obtainable. Eggs, \$2 per setting. C. E. COPELAND & SONS, Jefferson, Wis. 12-9

High-grade R. I. Reds, Buff Orpingtons. No culls. Will please you. Eggs, \$1.50 for 15. W. D. McLAUGHLIN, Cleveland, N. C., Route 1, Box 52. 12-9

Single-combed Rhode Island Reds. Winners at Johnstown, Gloversville, 1 pen, 1 pullet, 2 cockerels. Eggs, \$3 and \$2. E. J. STEELE, Gloversville, N. Y. 12-9

Rose-combed Rhode Island Reds, the Finest strain; also Barred Plymouth Rocks bred for eggs; none better. Eggs, 15 for \$1. Address PETER U. MILLER, Easton, Pa. 12-10

Rose-combed Rhode Island Reds Exclusively. We won silver cup at Philadelphia for best display; first prizes there, at Washington, D. C., and Wilmington, Del.; all in 1907. Write for booklet for prices, matings and winnings. Eggs for sale. GEORGE H. HOLLIS, 3 E. Ninth St., Wilmington, Del. 12-9

Rose-combed Rhode Island Reds; Excellent Matings; "Tattle Strain." Eggs—\$1 per 15; \$4 per hundred. Circular free. J. D. KEEFER, Millersburg, Pa. 12-9

My Rose-combed Reds Are Good Layers and Blue ribbon winners. Eggs from \$1 to \$3 per setting. No stock for sale until June 1. D. F. STROHMEYER, R. R. McClainsville, Southport, Ind. 12-10

Quality-bred Rose-combed Rhode Island Reds. Eggs, \$2.50 for 15. Prize winners. Address, D. G. KEYLER, Montclair, N. J. 12-10

Single-combed Rhode Island Reds. From Grandest matings that money and years of experience can produce. Bred for utility and show. Eggs and stock for sale. Prices, matter of correspondence. GEO. L. BUELL, Lorain, Ohio. 12-10

"Martin's Ideal Princess" Strain, R. and S. C. breeders in both combs, scoring better than 96. Egg circular for stamp. DR. J. MARTIN, Eureka Springs, Ark. (Formerly of Wichita, Kans.) 12-9

Rose-Combed Reds (Burdick's American Beauty Strain). Matting list and booklet with half-tones of my Chicago and Detroit winners free. W. W. BURDICK, Alba, Mich. 12-10

Rose-combed Rhode Island Reds. Eggs for Hatching; \$2 per 15; utility stock, \$1; bred to lay. CHAS. M. HALL, Box 553, Columbus, Ohio. 12-10

Rose-combed Reds, Bred True to Color, Shape and size. Prolific layers; satisfaction guaranteed. Eggs, \$2, 15; \$8 100. R. A. GRAFF, Jamesburg, N. J. 12-9

Single-combed Rhode Island Reds. From the highest quality stock obtainable. Limited number of eggs for sale. Write for reasonable prices. E. PFAFFENBACH, Watertown, Wis. 12-9

Lakemont Poultry Farm, breeders of Ward's Rhode Island Reds, exclusively. One thousand early hatched pullets and cockerels for sale. Free circular. Winter Park, Fla. 12-11

Rhode Island Reds, Ideal Princess Strain. Eggs, \$1 per setting. S. C. Brown Leghorns, \$1 per setting. M. A. PARSONS, 803 S. Wichita, Wichita, Kans. 12-10

## RHODE ISLAND WHITES

The R. I. Whites Are Very Desirable if the Largest profit is looked for. For quick matings and as layers they equal the Leghorns. As dressed poultry they have no superior. Interesting catalogue free. HOME OF THE R. I. WHITES, Wakefield, R. I. 12-10

## BANTAMS

D. M. Green, Syracuse, N. Y., Originator the famous "Yellow Jacket" strain Buff Cochins Bantams, the strongest blood lines in existence. Have won more prizes and furnished the foundation of more good flocks than all others. Eggs \$3 per fifteen. 12-9

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMANN, Carlisle, Pa. 12-12

200 Chicks. Best I Ever Raised, Red Pyle, Black Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR." Gloversville, N. Y. 12-9

Bantams—Winners of First, Second, and third premiums at Illinois State Fair, 1906. Stock for sale. J. C. JOHNSTON, Petersburg, Ill. 12-9

Black, White and Partridge Pekins, Golden and Silver Sebrights, Red Pyle Game Bantams, R. C. Brown Leghorns and Buff Orpingtons, stock and eggs. J. SHERIDAN WELLS, Greenport, N. Y. 13-4

Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenla, N. Y. 13-5

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenla, N. Y. 13-5

Charles Jehl, Long Branch, New Jersey. Buff Cochins Bantams. Eggs, \$3 per 15. Winners 88 prizes at the Great Madison Square Garden, New York. 13-6

Selling Out All My Imported O. E. Spangled Game Bantams, cheap. Write quick and get a bargain. Will breed exclusively, my White Polish Bantams, winners, New York and Boston. Eggs, \$4 setting. AIREDALE BANTAM YARDS, Dalton, Mass. 12-9

R. C. Black Bantam Cockerels at Very Reasonable prices. Same strain as my Chicago and Toledo winners. Eggs in season. Circular. L. A. TAYLOR, Gibsonburg, Ohio. 12-9

Nabob Strain White Cochins Bantams. Smallest, whitest and best Bantams raised; none better. Also a few choice Partridge Wyandottes. DR. JOHN L. MARSH, Brownsburg, Ind. 12-9

Buff and Black Cochins Bantams; Winners at New York, Stamford, and White Plains; 1st cock, 1st hen, 1st cockerel, 1st pullet—Madison Square Garden on four entries in Blacks. These birds and others just as good in my yards. A few birds of blue ribbon quality to spare. JAMES B. N. FITCH, Mt. Vernon, N. Y. 13-6

Winner of Silver Cup for Best Display of B. B. R. Game Bantams at Philadelphia Show. Eggs \$5 for 15. Three very light cockerels for sale. WM. E. STOCKLEY, 4529 Springfield Ave., Philadelphia, Pa. 12-9

Frank A. Shantz, Richland Center, Pa., Breeder of Buff Cochins Bantams. Eggs \$2 per setting. Also a few choice birds for sale. 12-9

Partridge Cochins Bantams; Little Beauties, Grand shape and pencilling, extra-heavy toe feathering; highest honors at three leading shows. Prices reasonable. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-9

Golden Sebright and Buff Cochins Bantams. Choice cockerels \$2 each. Sebright eggs, \$1.50 setting; Cochins—\$1.25 setting; two settings \$2. F. LAUX, 85 Lowell St., Rochester, N. Y. 12-9

Buff Cochins Bantams; Eggs for Hatching; Orders booked for delivery now or later; Pure bred and hardy stock. Prices reasonable. GEO. O. BILLHEIMER, Bethlehem, Pa. 12-10

Model Poultry Farm, White Thoroughbred S. C. White Leghorn, Wyandotte, and Cochins Bantam eggs, \$3 for 15; Cochins Bantams, pair, \$3. NELLY V. CAMERON, Swanton, Ohio. 12-10

White Cochins Bantams, \$3 per Pair; \$5 per Trio. M. D. CASS, Athol, Mass. 12-10

Game Bantams, All Varieties of the Best Quality. On thirty entries won 18 firsts, 9 seconds, 3 thirds. I breed and raise prize winners, and can please the most exacting. JESSE G. DARLINGTON, 53d and Media Sts., Philadelphia, Pa. 12-10

Polish Bantams, Buff and Golden Laced; Also Blacks. The original strain which placed the Buffs in the Standard. Eggs 75c each; \$6 setting. PARK VIEW POULTRY YARDS, West Springfield, Mass. 12-11

Partridge Cochins Bantams. If You Want Good stock write to me. Grand shape and pencilling; extra heavy toe feathering; highest honors at Boston, Providence, Brockton, etc. A few cockerels for sale. Eggs, \$2 and \$3. J. E. MORSE, Taunton, Mass. 12-11

## Business World

We received a letter from the proprietor of East Side Poultry Yards, La Grange, Ind., in which he regretfully informs us that he had a fire which destroyed his poultry houses and the greater portion of his poultry. He hopes soon to have his houses rebuilt and start again. We trust that this will not prove a great set-back to his business.

We are requested to correct through our columns an error made in the address of the officers of the Cornish Indian Game Club of America. Mr. Chas. S. Brent, Oconomowoc, Wis., is the president, Mr. F. H. Williams, Minneapolis, Minn., secretary-treasurer.

We received a short time ago from W. R. Harris, Frostburg, Md., a post card, showing the members of the Western Maryland Poultry and Pet Stock Association and the interior of the show. This was not sufficiently clear for reproduction. They report that they had a splendid show in January, and expect to have a better one next time. Mr. Harris and his associates are hustlers.

We wish to acknowledge an invitation from the board of trustees of the Cornell University and the faculty of the Agricultural College to be present at the dedication of the new buildings of agriculture, just finished by the state for the university. This is a grand thing, and marks a progressive movement in educational matters. Now let us hope that the state will give us a building for the exclusive use of the poultry department of the Agricultural College. This should be done as speedily as possible, for it is an urgent necessity.

Mr. Jesse G. Darlington of Fifty-third and Media Streets, Philadelphia, Pa., is one of the expert breeders of game bantams who for years has continued in breeding the best quality. He has won many prizes the past winter. He has nothing to sell at this time, he writes us, excepting a few odd birds of high quality. These would be of value as breeders.

We are in receipt of a communication from J. L. Anderson, superintendent of the poultry department of the Alaska-Yukon Pacific Exposition, in which he requests that the secretary of every specialty club write him relative to taking hold of the poultry display at that exposition in 1909. It is to be hoped that the secretaries of all the clubs will send a letter to Mr. Anderson and join with him in making the display at Seattle in 1909 a credit to the poultry fraternity.

The advertisement of E. L. Pfaffenbach, Watertown, Wis., was printed wrong in the columns of THE FEATHER for the May issue. If you will address Mr. Pfaffenbach, at Watertown, Wis., and ask him for information about his Rhode Island Reds, he will tell you of his beautiful birds.

The attention of our readers is called to the classified advertisement of Glen-

dale Poultry Yards, who offer White Leghorns, Columbian Wyandottes, and Pekin ducks. These people are located at Hornell, N. Y., Route No. 3, and have the reputation of growing beautiful fowls.

Mr. H. M. Preston, of the Preston Pigeon Farm, Morton, Pa., sent to this office for our personal examination some of his 12-pound to the dozen squabs. These proved to be the most delicious squabs we have ever had the pleasure of tasting. These were grown from his mammoth squab producing strain of pigeons, which he has built up after many years of care and attention to the improvement of the breeding birds. Preston Pigeon Farm has issued one of the most beautiful catalogues of the day. Those interested might well send for a copy of same.

The June 1906 issue of THE FEATHER attracted world-wide attention for its artistic beauty and the interesting matter contained therein. One year from that date we issue the second June surprise. Note the elegance of the cover page and the attractive reading matter and illustrations throughout the whole number. On our Shop Talk page we tell our readers what they may expect for July and August. With the June, 1906, issue, we began an active campaign through the news stands. We congratulate ourselves on our success. THE FEATHER sells everywhere. Our subscription list has gained thousands of names, and the news stands sale is twelve times as much as it was a year ago.

We have received a copy of "The Republican," of Delavan, Wis. Under date of April 11, they paid considerable attention to the poultry interests of that locality. There were many illustrations, a number of articles and advertisements of poultry fanciers of that neighborhood. The photographs of Mr. Ralph W. Sturtevant, president of the Wisconsin Poultry Association, Secretary Durkee, and Treasurer Littlefield, graced the pages of this issue. This is the way to make the poultry business move successfully.

We have just received a communication from Mr. Geo. N. Northup, secretary-treasurer of the American Black Minorca Club, calling our attention to the new club catalog just issued by them. He states that he would be more than pleased to send a copy of this catalog to all the readers of THE FEATHER. Mr. Northup is doing remarkably well with Single- and Rose-combed Black Minorcas, he being almost if not the most progressive breeder along these lines.

Mr. Joe Coleman, of Bellville, Ohio, wishes the Black Orpington people to know that the club catalog is ready for delivery to all who make a request for a copy.

We have just seen a copy of a letter sent by Mr. D. M. Kauffman, to Mr. E. R. I. Freeland, Fairmont, W. Va., in which he compliments Mr. Freeland very



highly on the quality of the stock he sent him. Mr. Kauffman states that the three hens purchased of Mr. Freeland took first, second, and third prizes at the Fayetteville, Pa., show.

The management of the National Egg-laying Contest that was to have been held at Jamestown, has abandoned the project, fully realizing that it could not be carried to a successful completion and prove satisfactory to all concerned.

The American Fancier—We regret to state that The American Fancier Printing and Publishing Company, who owned and issued The American Fancier, has been adjudged bankrupt. The meeting of the creditors was held in New York City April 30, and we are informed that the paper was sold, but to whom there is no authentic report.

The Hazelmere Poultry Yards have been identified with the improvement of Columbian Wyandottes, having selected them as a valuable variety early in the

Mr. Robt. E. Geddes, of Relay, Md., complains of our having made an error of 50 cents in printing the price of his eggs in our advertising columns. He says he has had to fill a number of orders at this reduced price. Mr. Geddes has good eggs, good poultry, and shows himself to be a real fancier to stand by the price quoted in the advertisement. Mr. Geddes has Barred and White Plymouth Rocks of the kind that is a pleasure to keep, and he is a most successful exhibitor in the show room.

There is no kind of roofing quite as cheap in the end as one which can get along without having to be painted. Such a roofing is Amatite. This roofing has a mineral surface, which is much more durable than paint, and as a result Amatite does not need any paint at all.

If you have never seen a mineral surfaced roofing, you should inform yourself at once about this latest development in ready roofing.



LADY ZEMBIA

existence of the Columbians. Mr. Richardson has done more perhaps to push them to the front than any other one fancier. The specimen "Lady Zembia" won first at Boston, special for best hen, best head, best color and shape, and special for best wing color, nine ribbons in all being awarded this hen at Boston.

Mr. Geo. L. Young, 349 Eleventh Street, Brooklyn, N. Y., will be pleased to forward, to any one interested in bantams, the new catalog just issued by the National Bantam Association. This is an attractive little book and may interest many of the bantam fanciers.

Mr. C. J. Ross, 289 Fourth Avenue, New York City, the secretary of the Waterfowl Club of America, reports that they have reached the one hundred mark in membership, and are now working for two hundred. All interested in waterfowl might address Mr. Ross for full particulars.

The manufacturers of Amatite will be glad to send you a free sample. Address the nearest office of the Barrett Manufacturing Company, New York, Chicago, Cleveland, Allegheny, Kansas City, St. Louis, Minneapolis, Philadelphia, New Orleans, Cincinnati.

Mr. Charles McClave, of New London, Ohio, the expert judge and long-time poultry grower of the middle west, writes us, recently, that he never had such matting on his farm. "Never before," said he, "could I furnish such valuable eggs from poultry of all kinds, including turkey and waterfowl. My turkeys have done remarkably well in the last few years, and there is not the least taint of blackhead among them."

Mr. S. T. Campbell, of Mansfield, Ohio, has been most fortunate in handling Rose-combed Black Minorcas, a strain, he says, that produces a large number of

## JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams, Little Beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. **tf**

## ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. **tf**

Buff and Black Orpingtons. Standard Bred. A few good cockerels which have withstood a severe culling out. Newly-hatched chicks. Eggs in season, \$2 and \$3 a setting. H. PEARSON, 500 Valley St., South Orange, N. J. **12-9**

S. C. Black Orpingtons. At Chicago, 1907, I won 1st cock, 5th hen, 4th pullet; Milwaukee, 1907, 1st cock, 1st, and 3d hen, 2d chr'l, 3d, and 5th pullet, 1st pen, Silver Cup for best display. Eggs, \$3 and \$5 per 15. Send for list. G. E. GREENWOOD, Lake Mills, Wis. **12-9**

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUPT CO., Easton, Pa. **12-11**

Single-combed Buff and Black Orpingtons. Eggs from prize winners, \$2 per 15; \$5 per 40. LOCUST RIDGE FARM, Box 276, Milton-on-Hudson, N. Y. **12-9**

Pure-bred Buff Orpingtons and Barred Rocks, Ringlet strain. Stock and eggs for sale. EMPIRE STATE POULTRY YARDS, J. J. Cummings, Apulla, N. Y. **12-9**

S. C. Buff and Black Orpingtons. 1st Pullet, Dayton, 1905; 1st, 2d hen, 1st, 2d pullet, Springfield, 1906; 1st pullet, Tiffin, 1907; 1st pen, silver cup, Newark, 1907. Eggs and stock, choice breeders. T. A. BEACH, Delaware, Ohio. **12-9**

Swonger's Golden Buffs Unexcelled Rose-combed Orpingtons and Single-combed Leghorn Eggs, \$1.50 per 15. Satisfaction guaranteed. Z. E. SWONGER, De Graff, Ohio. **12-9**

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. **13-6**

Watling's S. C. Black Orpingtons; Four Years winners at Anhorn; no other fowls kept. Ask for egg circular. WATLING & CO., Seneca Falls, N. Y. **12-9**

S. C. Black Orpingtons. Some Bargains in Choice cockerels. Eggs \$3 per setting. MRS. H. WEDDERSPOON, Perthmoor Farms, Cooperstown, N. Y. **12-9**

S. C. Buff Orpingtons. Type and Size Is My constant aim. Every bird over weight and a typical Orpington. Imported cockerel heads first pen, son of first International cock, England. Eggs \$3 for 15; fertility guaranteed. H. H. KINGSTON, Member National Single Comb Buff Orpington Club, Brighton, Rochester, N. Y. **12-9**

Rose and Single-combed Buff Orpington Eggs, and mommoth Pekin Duck eggs, \$1 to \$2 per setting. WAKE FOREST POULTRY YARDS, L. B. Derby, Propr., Wake Forest, W. Va. **12-9**

S. C. Buff Orpingtons, Cockerels, and Pullets, \$1 to \$3; exhibition birds, \$5. Eggs—\$2, 15; \$3, 30. The old reliable Orpington breeder since 1898. MRS. W. N. MARSHALL, Fayette, Mo. **12-9**

S. C. and B. C. Buff Orpingtons a Specialty. Only high scoring birds in my pens. Eggs in season, \$1.50 and \$3. Birds for sale. Write me. DR. ROBERT S. DOMBAUGH, Waldo, Ohio. **12-10**

Breeders for Sale. Price of Eggs Reduced of Rose-combed, Buff Rose-combed, White Orpingtons, Rose-combed White Minorcas and Buff Rocks. B. WENK, Washington, Ill. **12-10**

Orpingtons, Buff and White; Prize Winners; Buff to skin. Pens 1 and 2 headed by fine cockerels. Eggs \$1.50 and \$2 for 15. T. KINNAMAN, Fortville, Ind. **12-10**

Orpingtons—Buff, Black, White; Winners Wherever shown; "best" standard-bred layers in country. Write for matings, prices, etc. E. M. LONG, Avenue F., Osceola, Ind. **12-10**

Rose-combed Buff Orpingtons Exclusively. If You want size and color I have them. Eggs, \$2 per 15. Fertility guaranteed. J. C. CORBIN, Troy, Ohio. **12-10**

S. C. Buff Orpingtons and White Rocks. Winners at the great Anhorn Show. Eggs, \$2 per setting. J. B. FOSTER, Norwich, N. Y. **12-10**

S. C. Buff Orpingtons; Eggs \$2 per 15. S. C. Black Orpingtons; eggs \$3 per 15. Bred for size, shape, color, to lay and exhibit. The breed that has won favor of American poultrymen. MELDO HILLIS, Box 66, Ellwood, Ind. **12-10**

Single-combed Black and Jubilee Orpingtons. Pens headed by 1st prize cocks. Best layers on earth. Nest records. L. S. SIGGINS, Great Barrington, Mass. **12-9**

Diamond Jubilee Orpingtons. The Money Makers of the future. For eggs, broilers, market, or show room, they are unequalled. Don't change, or select your new breed, until you see our free circular. ISAAC F. TILLINGHAST, 65 High St., Factoryville, Pa. **13-7**

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 specials, 5 entries, 3 pens headed by 1st prize birds. Interesting booklet free. DELL FARM, Monaca, Pa. **12-11**

S. C. Buff Orpingtons. Some Bargains in Choice vigorous and healthy. Best eggs, \$2.50 per 15. Incubator eggs, \$6 per 100. This season's breeders for sale after June 1. A. G. HOCH, Storm Lake, Iowa. **12-10**

S. C. Black Orpingtons. Won 1st Cock, 1st Cockerel 1st and 2d pullets at Palestine; 1st cockerel, 1st and 2d pullet at Salem. Eggs, \$3 for 15. Prize matings. L. B. GREEN, Columbiana, Ohio. **12-10**

S. C. B. Orpingtons, Cockerels, and Pullets, \$2 to \$5. Show bird prices on application. Eggs, \$1 to \$3 per 15. L. H. SMITH, Box 536, Clinton, Wis. **12-9**

S. C. Buff Orpingtons Exclusively. Eggs, \$2 per 15, packed securely in egg boxes. MISS J. P. JONES, R. F. D. 1, Tobaccoville, N. C. **13-7**

Stock and Eggs from the Yards of S. D. Lance, Troy, Ohio, specialty breeder of high-class, Rose-combed, prize-winning Buff Orpingtons. Eggs, \$2 per 15. Good hatch guaranteed. **12-11**

## BRAHMAS

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Johnstown; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. **13-4**

1868-1907—Star Strain Light Brahmas; 3 on Pen, Boston. Eggs, \$3 per setting. For stock or eggs address, DR. N. V. HUTCHINSON, North Abington, Mass. **12-11**

Light Brahmas Exclusively. Eggs, 15 \$3; 30 \$5. Ballston, Albany, Schenectady, and Gloversville winners; selling stock. EAST VIEW POULTRY YARDS, Box D, Ballston Spa, N. Y. **13-3**

For Sale—Pure-bred Light Brahma Cockerels, \$2 each. After Feb. 25, Light Brahma, also Rose-combed Brown Leghorn eggs, \$1 per setting of 15. Stocks and eggs as represented or money refunded. C. D. ADAMS, Johnstown, Ohio. **12-9**

Pure-bred Light Brahmas, Farm Raised, Healthy stock. Eggs, \$1.50 per 15, reduction on large orders. MRS. JOHN GARD, Box 31, Clay City, Ind. **12-9**

Light Brahmas (Nettleton's Direct) Choice Cockerels, \$3 to \$5; pullets, \$2. Eggs \$2 setting. Large White Rock Cockerels (Peapack Farm) \$3 to \$5. Eggs \$2 setting. M. E. RIDGELY, Bensenville, Md. **13-3**

Light Brahmas Exclusively; Winners at All the large shows. Eggs from six grand matings, \$3 for 15. DALCH & BROWN, L. B. 364, Manchester, Conn. **12-9**

Light Brahma Cockerels, \$5 each; Pullets, \$3.50; from pen headed by Rollins' Madison Square winner. Eggs \$3 per 15. CHAS. H. RITCHER, 65 Boyd Ave., Jersey City, N. J. **12-9**

## FAVEROLLES

Faverolles—"The King of Utility Fowls." Also Lakenvelders. Send stamp for circulars. Dr. PHELPS, Glen Falls, N. Y. **tf**

English Salmon Faverolles. Eggs for Hatching, \$2.50 and \$5 per 15; fertility guaranteed; stock for sale after July 1. Circular free. J. R. SEBRING, Bellefonte, Pa. **12-10**

Salmon Faverolles, "King of Utility"—Greatest layers and best market fowls. Eggs, \$2.50 per 15, or \$10 per 100. Lakenvelders at same price. C. SWANSON, Sycamore, Ill. **12-10**

Salmon Faverolles. Our Birds Are Bred to Win and lay. Won first in New York in 1907. Circular free. C. S. HARMA, West Hebron, N. Y. **12-12**

Bardwell's Salmon Faverolles. Best Specimens from best yards in England. \$5 for 15 eggs. H. W. BARDWELL, Importer and Breeder, Tunkhannock, Pa. **12-10**

## ANDALUSIANS

Imported Blue Andalusians Exclusively. I Supply annually the choicest prize winners for America's leading shows. Fine stock for sale. Eggs, \$2, 15. Satisfaction guaranteed. Write W. T. NAYLOR, 161 Forbes Street, Painesville, Ohio. **12-9**

The Bluest of Blues. Won First Cock and Cockerel at Madison Square, New York, Philadelphia, and Pittsburg. Eggs, \$3 per setting. T. F. BEST, Wilkinsburg, Pa. **12-9**

Blue Andalusian Exhibition and Breeding Birds a specialty; choice strain for heavy laying; eggs and stock for sale. JOHN H. WHITE, Anacostia, D. C. **12-11**



Blue Andalusians, Partridge Wyandottes, Pekin Ducks, Brown and White Ferrets. Large package Howling Moh Sweet Corn seed, 25c. Eggs half price now. Circular for stamp. BAY RIDGE POULTRY FARM, Route 15, Jamesville, N. Y. 12-11

## ANCONAS

Mottled Anconas; Marsh's Strain; Beautiful birds; great layers. Eggs and stock. Circular for stamp. ANCONA POULTRY YARDS, Dr. Marsh, Proprietor, Route 8, Oswego, N. Y. 12-9

Thorniley's Strain of Anconas, Best Winter Layers in existence; bred for heavy egg production and standard requirements. Prize winners. Yellow shanks and dark under-color, well mottled. Eggs, \$1.50 per 15. Circular free. RIVER VIEW POULTRY FARM, Willard J. Thorniley, Mgr., R. D. 7, Marietta, Ohio. 12-9

Ancona Cocks, Cockerels, Hens, and Pullets Sold in any shape to suit the purchaser. Write to CHAS. F. HIGGS, Box 47, R. 15, Broadway, Va. 12-9

## COCHINS

Partridge Cochins Exclusively. Winners at Boston, Hagerstown, Atlantic City, and Providence. At Boston, 1907, 1st cockerel, 1st pullet, 3d hen. Eggs and stock for sale. R. JOHN DAVEY, Westerly, R. I. 12-9

Partridge Cochins. Best General Purpose Fowl. Prize-winning strain. Eggs from selected matings; \$1.50 for 15. Riverside Farm, W. F. ALLEN, Milan, Mich. 12-10

Fine Partridge Cochins, \$2 to \$5 Each; Eggs, \$3 per 15. One pair Black Cochins, \$10. Prize-winners 25 years. DR. H. BALLARD, Cullom, Ill. 12-11

## GAMES

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Williams' "Blue Ribbon" Cornish Indians. Standard-bred show birds my specialty. Write for circular. Eggs and stock. F. H. WILLIAMS, Lyndale Ave., So., Minneapolis, Minn. 12-9

Black-breasted Red Games, Pit and Exhibition. Stock and eggs for sale. Eggs, \$2 per 13; \$3 per 26. L. G. THRALL, Poultney, Vt. 12-9

Cornish Indians; Blood of Four First Prize Winning strains. Stock, eggs for sale. Eggs—\$2.50, \$3.50 per 15. Stamp for circular. G. R. WHITE, Eaton, Ohio. 12-9

Twenty Extra Fine, Dead Game, Fast Fighting cocks, \$4 each. 5 lbs. to 6 lbs., all colors. Muffs, Gaffs, and Mexican Calsar. DAYTON BIRD STORE, Dayton, Ohio. 12-10

Black-breasted Red Exhibition Games a Specialty. Standard shape and style. Birds and eggs to spare. Write, stating wants. E. R. SPAULDING, Jaffrey, N. H. 12-9

Money Back if My White Indian Games Fail to please you. Large, hardy, all-purpose birds; 15 eggs, \$2. M. E. KENNEDY, Temple, Ga. Route 3. 12-12

Look! Pit Fighters, Canada Blk. B. Reds. Eggs, \$2, 15. White Indians, \$2.50; Cornish, \$2. Circular. LIDDON BROS., Box 3, Inwood, Ont., Can. 12-10

Heavy Weight, English Black-breasted Red Pit Games; Tom O'Neil, Kentucky Dominiques, Irish Greys. Eggs, \$2 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

All Varieties, Exhibition Games for Sale. Some grand birds to dispose of at once. Eggs for hatching. Orders hooked in turn. JOHN A. CLARKE, Box 112, Pittston, Pa. 13-7

## LANGSHANS

Black Langshans. Thirty Prizes at Four Shows. Stock for sale. Eggs, \$3 for 13. Satisfaction guaranteed. WM. SNAITH & SON, 524 Reese St., Scranton, Pa. 12-9

A Few Very Choice Langshans and Buff Orpingtons. Eggs, 10 cents each. J. T. LITTLETON, Greensboro, Ala. 12-9

White Langshans; Prize Winners from First prize birds, Chicago and Hagerstown. Mammoth Pekin Ducks, Buff Cochins Bantams. Eggs and stock. JOS. B. PRESTON, Ripley, Ohio. 12-9

White Langshans. Eight Years. Eggs from Choice matings, \$1.50 per 15. Bantam eggs wanted in exchange. Must be good stock. Circular. ERNEST CROSS, Racine, Ohio. 12-11

## LAKENVELDERS

Lakenvelders. The Egg Machines Beat All. Have first and second prize winners, Albany. Eggs, \$4 per 15. Good demand. Order early. JOHN M. MOYER, Souderton, Pa. 12-9

Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. 12-9

Lakenvelders! Our Famous "Noxsmall" Cock, winner of 7 firsts, including first prize Madison Square Garden, 1906. Eggs \$5 per setting. FORD BROS., Oak Hill, N. Y. 12-9

## POLISH

For Sale.—White-crested Black Polish and White-faced Black Spanish. Eggs, \$1.50 per 15, or \$2 per 30. HENRY HUBER, Route 1, Tadmor, Ohio. 12-9

Smith's White-crested Black Polish Came to the front years ago, prize winners. Still stay winners. Stock for sale; eggs, \$2 for 15; \$3 for 30; for prize record write R. E. SMITH, Afton, N. Y. 12-10

White-crested Black Polish; Prize Winners at Chicago, Belvidere, and Blue Island. Eggs from prize winners, \$2.50; others \$1.50. F. J. LAPP, Evanston, Ill. 12-9

White-crested Black Polish Eggs That Will Hatch, from superb stock; winners at the St. Louis World's Fair; all first prizes at the Chicago Show, 1907, and wherever shown. \$5 per setting. Illustrated catalogue free. GEO. V. TRENT, Wilmette, Ill. 12-10

Seely's White-crested Black Polish, Won Sups at World's Fair, New York, and Auburn. Stock for sale. Write for circular. CHAS. L. SEELY, Afton, N. Y. 12-10

## SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

Home of the Spanish—Four Breeding Pens of choice birds for sale. Eggs, \$1 per setting the rest of the season. THOS. MURRAY, Columbus Ave., Sandusky, Ohio. 12-11

## HOUDANS

Houdans, Pinckney Strain, Line Bred, Winning 1907 at Central New York Poultry Association, Utica, N. Y., 5 firsts, 4 seconds, 3 thirds, 3 fourths, 3 fifths. Special prize for best exhibit of French fowl, and 5 special prizes. Some good cockerels and pullets for sale. ISABELLE D. MILLER, Box 60, Sangerfield N. Y. 12-9

Arnold Houdans and Andalusians, Winners, Suffolk County, Mineola, N. Y., and Madison Square Garden 3 shows. Eggs now ready. CHAS. E. ARNOLD, Babylon, N. Y. 12-9

My Handsome Heavy Houdans Are Extra Fine birds. As heavy winter layers, they are without a peer. Eggs are \$5 for 3 sets, and they will not disappoint you. W. D. GAY, Essex, Iowa. 12-9

Houdan Eggs from Two Carefully Selected Pens of heavy-weight birds. Eggs from pen 1, \$2 per 15; for pen 2, \$1.50 per 15. FUHLMANN BROS., Co. Roscoe and Fulliam Avenue, Muscatine, Iowa. 12-9

Houdan Eggs; from Fine Stock; A. E. Jones' 275-egg strain. \$2 for fifteen; \$3.50 for thirty. CLYDE CAMPBELL, Elkland, Pa. 12-9

Houdans; Bred from Highest Scoring, and Highest record laying stock in the world. From 265 to 281 eggs, hens, and winners at World's Fair, Chicago, Hagerstown, and New York. One of my exhibition matings consists of hens all scoring over 95 points, mated to cock that sired the first cockerel and first pullet at recent Madison Square Garden Show. Guaranteed eggs. A. E. JONES, Elkland, Pa. 12-9

Standard-bred Houdans. Large, Fine Birds, Prize-winners. Line bred for ten years. Stock and eggs for sale, \$5 per setting. Indian Runner Ducks. Champion laying strain, \$2 per setting. A few good drakes for sale. K. VAN'T HOF, Grand Rapids, Mich. 12-11

## BUCKEYES

Buckeye Red Eggs for Sale, From High Scoring birds, Metcalf strain; \$3 per 15. J. G. SWAIN, Martinsville, Ind. 12-9

Buckeyes. The Premier Red Breed of the world. Quality high, prices low. Stock and eggs. Guaranteed. HARRY FAUCETT, Box 8, New Albany, Pa. 12-10

## HAMBURGS

Silver-spangled Hamburgs Exclusively. Silver cup winners at Indianapolis; gold special winners at St. Paul, Minn. Eggs, \$3 per 15. J. E. KIRCHEIS, LaCrosse, Wis. 12-10

Breitwieser's Silver-spangled Hamburgs won 60 ribbons, 2 silver cups, 10 entries scored 940 points. Eggs—\$2, 15; \$3.75, 30; \$5, 50. Breeders for sale. BREITWIESER'S YARDS, Buffalo, N. Y. 12-10

Silver-spangled Hamburgs; Show Birds and Ever-lasting layers. My matings are as handsome as any ever produced. GEO. V. FRYE, Lexington, Ohio. 12-11

## SHERWOODS

Fine Sherwoods! The Coming Fowl. Cockerels and pairs; good weight and excellent layers. Also ornamental ducks. Send for price list. OLIVE H. FLINT, Ridgefield, Conn. 12-10

## CARNEAUX

To Make Room for Carneau Now Being Imported, we will sell 100 pair mated, color-handled, and breeding Homer. 1905-6 birds at \$1.75 per pair. Try a few pair. S. C. ALLEN, Mgr. Pigeon Dept., Hillhurst Farm, Orchard Park, N. Y. 12-9

very large-sized eggs each year. They are easily handled. There is a great demand for them, and he is always ready to fully satisfy his customers in Columbian Wyandottes, as well as Rose-combed Minorcas.

We have received a communication from the Maine Agricultural Experimental Station, at Orono, Me., issued by Charles D. Woods, director, in which he gives considerable information relative to the growing of seeds. Bulletin 138 of the Maine Experimental Station is full of information relative to the analysis of garden seeds, feed stuffs, etc. This may be valuable to some of our readers. If any desire to have more information on this subject, they should write direct to Charles D. Woods, Director, Maine Experimental Station, Orono, Me.



HARRY E. BAIR

The above portrait is of Harry E. Bair, of Hanover, Pa., who breeds poultry and pigeons, and furnishes aluminum leg bands. He makes a specialty of Jumbo squabs in White Homers and Dragoons. He is one of the successful agents for THE FEATHER.

There appears in this issue of THE FEATHER an advertisement of sterilized oyster shells. This is prepared by the Star Poultry Food Co., Houston, Tex., Minneapolis, Minn. The north and south can be quickly served from these localities.

Mr. W. S. Getty, 311 Congress Street, Mobile, Ala., would like to have the address of Wm. H. Jones, author of article, "Value of Keeping Records," in the May issue of THE FEATHER.

Among the oldest breeders of Barred Plymouth Rocks are Bradley Bros., of Lee, Mass. They have for years been successful in the show-rooms throughout the country. Many of their specimens have won for years at New York and Boston. Their line-bred males and females can scarcely be excelled. They have this year a better line of matings than ever before. They are in position to furnish eggs for hatching from matings that will be certain to produce many winners next winter. June will be the banner month this year for hatching exhibition fowls, and Bradley Bros. can furnish the eggs for this purpose.

Nellie V. Cameron, of Swanton, R. F. D., Ohio, offers some beautiful Leghorns, Wyandottes, and Cochins Bantams and their eggs for sale. We believe that our readers would be more than well served in purchases they might make from her.

"Enclosed \$1. Fifty cents for advertisement, 50 cents for subscription to the 'Boss' poultry journal."—J. W. Gamble.

## Preserving Eggs

The most practicable, valuable, and satisfactory method of preserving eggs is through the use of what is known as waterglass. This is a silicate of sodium or a silicate of potassium which can be purchased at the drug store. Dissolve one part of the waterglass in nine parts of water, so as to have a one-tenth solution. Place this solution in a jar. The waterglass is more readily dissolved in warm water. After the mixture has become cool, put it in a stone jar as large as you desire to use. Into this place the eggs the very day they are laid. As soon as the jar is filled, seal it up and keep it in a cool place until the eggs are needed. When the eggs are taken therefrom, rinse them immediately in water slightly warm. This washes the solution from the shell and prevents the glass glaze that will form if the solution is permitted to dry thereupon. One- or two-gallon stone jars may be used. As fast as filled, seal up, number, and place in a cool cellar for future use.

"Enclosed find subscription and advertisement. I find some of my best customers readers of The Feather, and I am pleased to note the great improvements taking place monthly."—M. L. Armstrong & Co.

"Enclosed find advertisement for The Feather. The ad in your paper a year ago did me more good than all others."—E. J. Lohr.

## 3 Great Books FREE

We have just succeeded in completing, with a book publishing house, one of the greatest contracts for high-class books at EXTREMELY LOW prices yet made. We therefore are now in a position to offer, at a remarkably low figure, such masterpieces as those by the author of the famous "Sherlock Holmes," "Uncle Tom's Cabin," "The Duchess," "Little Men," "East Lynne," "Count of Monte Cristo," etc., etc. Out of the thousands of books at our disposal when we made up the following list, we selected, after careful deliberation, the twelve novels which have been found to have proved most phenomenally popular. For interest-riveting mystery, daring adventure, love, and thrilling romance, no twelve greater books have ever been assembled. ANY TWO of these books will be sent ABSOLUTELY FREE to all who will mail only a dime, 10 cents, for a big trial subscription to what is generally acknowledged the greatest national monthly published at a popular price, HEARST'S AMERICAN HOME MAGAZINE. This big new 32-page periodical has drawn upon all the almost unlimited resources of the great Hearst organization for its endless variety of startling features. Here you will find the provokingly funny color cartoons, the screamingly odd Happy Hooligan, Buster Brown, and Her Name Was Maud, and the dozen and one other marvelous creations of those master minds of mirth and fun—Opper, Dirks, Bunny, Outcault, and all the rest. Of the magazine's great editorial writers, only a few of the dozens upon dozens can here be mentioned. Among these are ELLA WHEELER WILCOX, the most brilliant woman in contemporary American life; DINKELSPIEL—the imitable—the man who has set all the world a-laughing; MAURICE MAETERLINCK, Belgium's foremost living philosopher and litterateur; CLARA MORRIS, the noted actress, who will write of life on the stage and of the busy world; PROFESSOR GARRETT P. SERVIS, who has magically transformed the mysteries of science into tales of marvelous romance, and BEATRICE FAIRFAX, the most brilliant, cleverest woman who has ever written on love, romance, and the things of the heart. These are but a FEW of the master minds who will contribute regularly to the great new HEARST monthly. For the strange—the bizarre, the unlike, the fascinating—read the brilliantly interesting new HEARST MAGAZINE. (Read below how you can also get a THIRD book free.) No. L2. The Crime and the Curse. (Mrs. Southworth) No. L17. The Old Red House Among the Mountains. No. L14. The Cedar Swamp Mystery. (Mrs. Anstin.) No. L28. On Her Wedding Morn. (C. Braeme.) No. L55. The Corsican Brothers. (Alexandre Dumas.) No. L45. The Mystery of Blackwood Grange. No. L37. The Love That Saved Him. (Mrs. Stephens) No. L30. The Tragedy of a Quiet Life. (Burnett.) No. L41. The Mystery of Birchall. (C. Braeme.) No. L27. The Great Hampton Bank Robbery. No. L33. The Mystery of Mordaunt Mansion. No. L48. Sweet Is True Love. By "The Duchess." Order (by number) and secure FREE ANY TWO of the above excellent high-class novels, by mailing IMMEDIATELY a dime for the greatest national monthly published at a popular price—HEARST'S AMERICAN MAGAZINE—if you remit AT ONCE you may also select an extra THIRD book FREE. Order all three books BY NUMBER and address at once, HEARST'S MAGAZINE, 470 Eighth Ave., New York.



## LITTLE CHICKS

Baby Chicks from Fishel White Rocks and Wyandottes. Price according to age. MRS. M. B. WILLIAMS, Salisbury, Mo. 12-10

## TURKEYS

Anxious to Raise Turkeys! Why Not Try Wild Stock? Eggs: from pure wild stock. \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

Rock Holland Farm, Stone Ridge, N. Y. White Plymouth Rocks. Eggs \$1 per 15. White Holland turkeys; 30-lb. tom at head of flock. Eggs \$3.50 per 9. 12-9

High-class Mammoth Bronze Turkeys Mated, not akin. Free range. Eggs. \$2.50 per 10. Pearl Guinea. \$1 per 15. CLIFFORD BURHANS, Route 4, Box 115, Sangerties, N. Y. 12-11

## GUINEAS

White Guineas for Sale, \$2.50 per Pair, \$3.50 per trio. Eggs, \$1.25 for 15, in season. MRS. EDWARD BROOKMAN, Fort Plain, N. Y. 12-9

## DUCKS

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Rouen Ducks—World's Best. Eggs, \$1.50 per 13; \$8 per 100. Circular free. Write. F. D. FOWLER, Carlville, Ill. 12-9

Mammoth Pekin Ducks and Toulouse Geese, Winners at Madison Square Garden. Duck eggs, \$1.50 per setting; \$7 per 100. Geese eggs, 50c each. WEBSTER KUNEY, Seneca Falls, N. Y. 12-9

Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair \$4. DR. IRA C. TYNDALL, Whaleyville, Md. 13-6

Nice, Large Pekin Ducks (Rankin Strain) Dns-ton W. Wyandottes, R. C. R. I. Reds. Eggs—\$1 per setting; \$5 per 100. Price list. EDW. O. GREGORY, Desk 3, R. F. D., Rockland, Me. 12-9

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Rankin Pekin Duck Eggs, \$1.50 per 13; 25, \$2.50. Fashionable breeding. Recorded Poland-China and Duroc-Jersey hogs. Stock for sale. JAS. HEDDINS, Charleston, Ill. R. D. 12-10

Eggs. Wild Mallard Ducks, Dark Green Head and White, as they run, \$2 per setting. RIVER VIEW FARM, F. B. Fenton, Beloit, Wis. 12-10

Reduction Sale of Rouen Ducks—World's Best strain. Prices reasonable; absolute satisfaction guaranteed. Circulars free. Write F. D. FOWLER, Box A, Carlville, Ill. 13-8

## PHEASANTS

Pheasants, 80 Varieties, \$2 Up. Most Beautifully colored birds of this world. Easter raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock. Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4

Golden and Amherst Pheasants; Bred from Imported stock; large, healthy birds; easily raised. Our secret how with every sale. Satisfaction guaranteed. ENTERPRISE PHEASANTRY, Yoe, Pa. 12-9

## ORNAMENTAL

Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmerling, Impeyan, Peacock, Argus, Melanotus, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercalxies. Write for price list. WENZ & MACK-ENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

Japanese Phoenix Fowl. Cocks Have Yard-long tails; beauties. 15 eggs, \$3. White Guineas, 15 eggs, \$2. No circulars. GREAT MEADOW FARM, Comstock, N. Y. 12-9

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutoches, Burmese Hen, Polish Lynx, Carriers, Dragons, Pouters, Pignies, Fantails, Jacobins, Owls, Tur-bits, Blondestines, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-9

German Pigeons.—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders, large and heavy birds, free on board mail steamer in New York and Boston in lots of 5 pairs, \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and 100 pairs, \$350. Hen Pigeons my specialty Satisfaction certain. Send money order. H. UN-ZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts Hagerstown, Md. 12-12

For Sale—Magpies. Pigeons in All Colors. Show birds from \$5 per pair and up. Good stock birds for \$3 per pair. WM. EHINGER, 1327 N. 4th St., Philadelphia, Pa. 12-12

For Sale.—White Pouter and White Fantail Pigeons; also Buff Plymouth Rock fowls and eggs. Good stock. Prices low. THEO. JOHNSON, Silver Creek, N. Y. 12-9

Why Pay \$1.50 Pair for Genuine Homers When I will guarantee first-class birds 75 cents pair? Also 20 pair Runts, Dragons, and half Runt. Send for sample pair. G. HOOD, Somerset, Mass. 12-9

I Want to Sell All My Parlor Tumblers, Including all my winners. \$3 pair for first-class performers; all colors. P. A. SCHEID, Lancaster, Pa. 12-9

Pigeons of Following Utility Stock—Runts, Maltese Hens, Dragons, Ducks, and Homers, 1,000 pairs of above birds. Describe what you want, and enclose 10 cents, and I will take and send a proof picture, with price, of birds you want. E. OGBIN, 280 Liberty Street, Camden, N. J. 12-9

Fancy Pigeons. Fantails in White, Blue, and Black; Tumblers in Red, Blue, Black, Yellow and Dnn. Write for prices. MATT HEAD, Box A, Jefferson, Ia. 12-10

Carneaux, Maltese Hens, Pigeons, etc., Are money-makers. Linenoid colored bands for mating purposes. Write for advice and circulars. ERNEST L. WINSLOW, Greenwood, R. I. 13-1

Pigeons For Sale—English Dragon, all Colors; White Homers, Arkangles and several other fancy colors. Homers in large or small lots for squab producers, all very cheap. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 13-1

## HOMING PIGEONS

High-class Homer Pigeons for Squab Raising, more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

Wanted.—Homer Pigeons of Good Breeding Age; any quantity; also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bonrse Building, Philadelphia, Pa. 12-10

A Bargain in Squab Breeders! 12 Pair of A-No. 1 Runt Homer crosses; guaranteed to be all mated birds. I paid \$4 per pair for the same. \$2.50 per pair takes the birds and 24 earthen nest pans. Must sell on account of sickness. JOHN A. NEULS, 520 Hickory St., Scranton, Pa. 12-9

For Sale.—60 Pair Guaranteed Mated Homing pigeons, ranging from 1½ to 4 years of age. Price 75 cents per pair. WM. HUNT, 328 Blatchley Ave., New Haven, Conn. 12-9

For Sale.—I Will Close Out My Stock of Fine bred Homers. A good chance to secure fine birds. 500-mile birds, \$2.50 per pair; untrained birds, \$1.50 per pair. H. I. MARKS, Carlisle, Pa. 12-9

Square Deal Plymouth Rock Jumbo Homers; guaranteed mated; the peer of any you can buy at \$2. My price \$1.50 the pair. Single-combed Buff Orplingtons. Eggs for sale \$1.50 a setting. Edison strain prize winners. Also breeder of O. I. C. swine. FRANK J. DUTT, 1030 Huttle Ave., Bethlehem, Pa. 12-9

Homing Pigeons. Breeding Stock and Squabs for sale at all seasons of the year. Also Great Dane dogs for sale. Address C. B. KROGMANN, Jr., 2002 Fourth Street N. E., Washington, D. C. 12-9

Attention! This Year We Sold Over 1,000 Birds. Have a few high-class mated Homers and odd hens left. Prices reasonable. Write SQUAB FARM, Marietta, Pa. 12-10

Guaranteed Mated Homers for Sale from the Old-est and highest grade squab farm in America. Capacity of farm, 14,000 birds. JOHN Y. CRAW-FORD, Mt. Pleasant Pigeon Farms, Bryn Mawr, Pa. 12-9

Church Hill Pigeon Lofts, Charles R. Hoover, Propr., Lehigh, Pa. Breeder of thorough-bred White Homers. A few extra choice pairs of mated breeders at \$2.50 per pair. Satisfaction guaranteed. 12-10

Important and Valuable Information That Every one interested in pigeons should have, mailed free. Send postal to-day. HOWARD BUTCHER, Box 21, New Britain, Bucks, Co., Pa. 13-7

Homers for Squab Breeding, Mated Birds, Pro-lific breeders. Easy to sell. Demand exceeds supply. MISSOURI SQUAB CO., 3801 Shaw Ave., St. Louis, Mo. 12-10

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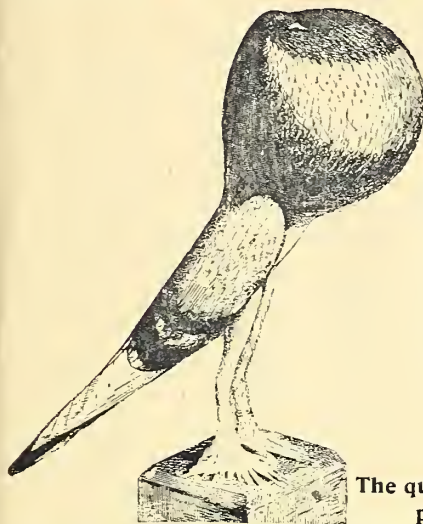
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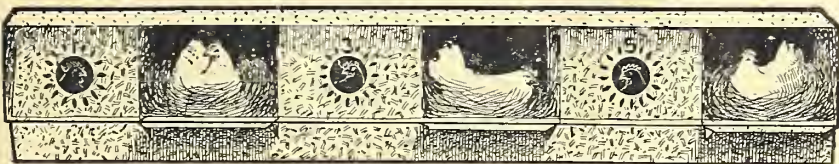
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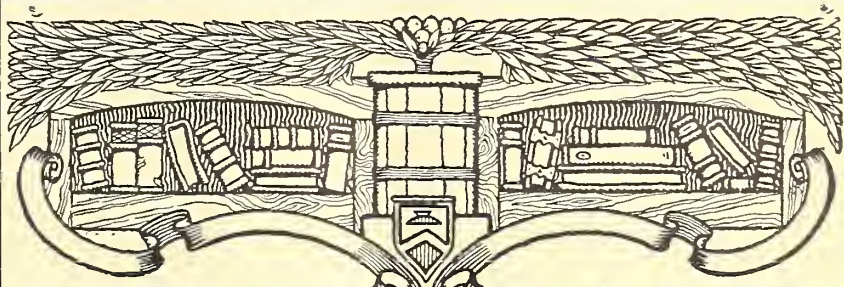
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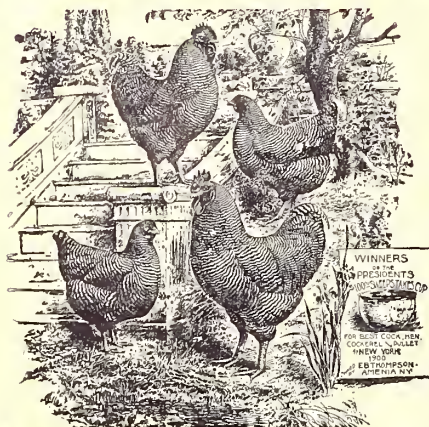
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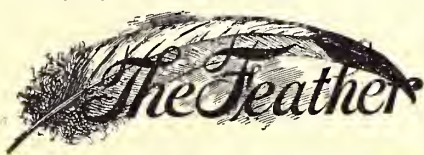
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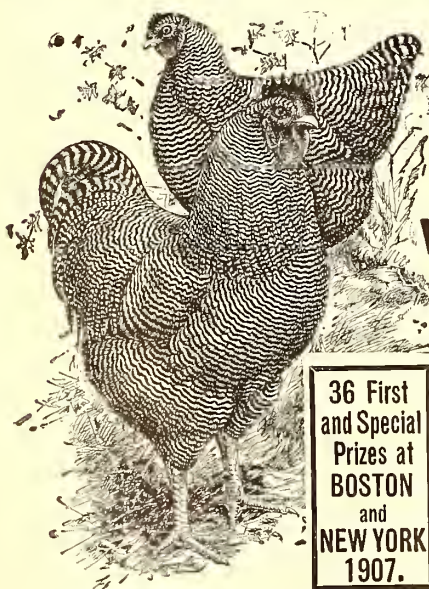
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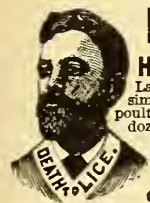


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# The Perfected Poultry of America

A Concise, Illustrated Treatise of the Recognized Breeds of Poultry, Turkeys, & Water-fowl

Written by T. F. McGREW & GEO. E. HOWARD

With Illustrations by LOUIS P. GRAHAM



HAT the poultry interests of America have long demanded a book like this can not be doubted. The great volume of literature on the subject is so disconnected, that it would be next to the impossible to trace the subject-matter with any degree of satisfaction. Therefore, the importance of having in one volume the information pertaining to the Perfected Poultry of America has long been realized by those interested in the poultry industry.

The authors appreciated this fact very fully, and began the foundation work years ago, fully understanding their responsibilities and obligations to each individual variety of fowls herein presented. It is essential for every breeder of thoroughbred poultry, desiring success, to have a better understanding of his fowls, and he should not only know their history, qualifications, and general appearances, but their points of excellence as well. To do this properly, we have drawn upon every source of information at our command, and have endeavored to present our results without partiality to any breed or variety. We have given the facts and truths of the recognized breeds of Perfected Poultry as we have found them in every day life, using living models, and personal experiences as the foundation of our work.

The illustrated portions of this book are unusually interesting, and are presented with a great deal of satisfaction. The artist has performed his work well, and his models have been the best to be found. No attempt has been made to idealize the specimens, but rather to give drawings that would be recognized and appreciated for the types of fowls to be seen in the average breeding yards or show rooms of the country. These drawings probably will be criticised in some minor details, yet, as a whole, we are satisfied they will be regarded as typical specimens of the American breeder's fancy, and will be given credit as being a truthful portrayal of breed types. As a reference book, it should prove of untold value to every breeder and fancier and by following its pages the chances of success in breeding and mating should be enhanced for the expert as well as the novice.

## Contents

### FOREWORD.

THE ASIATIC BREEDS. Brahmas, Cochins, and Langshans.  
THE AMERICAN BREEDS. Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, and Buckeyes.  
THE MEDITERRANEAN BREEDS. Leghorns, Minorcas, Spanish, Andalusians, and Anconas.  
THE ENGLISH BREEDS. Dorkings, Red Caps, and Orpingtons.  
THE POLISH BREEDS. Bearded Golden, Bearded Silver, and White-crested Black.  
THE HAMBURG BREEDS. Silver-spangled and Silver-pencilled.  
THE FRENCH BREEDS. Houdans, Crevecoeurs, and La Fleche.  
GAMES. Black-breasted Red, Brown Red, Cornish Indian, and Black-breasted Red Malay.  
BANTAMS. Silver Sebright, Black-tailed Japanese, Red Pyle Game, Duckwing Game, White, Black, Brahma, and Cochin.  
TURKEYS. Bronze and Narragansett.  
WATER-FOWL. Toulouse, White Embden, and African Geese, Pekin, Rouen, and Indian Runner Ducks.  
Other illustrations to be added.

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TURKEYS—Bronze male and female. Narragansett male and female.

WATER-FOWL—Toulouse male and female. White Embden male and female. African male and female. Pekin drake and duck. Rouen drake and feathers. Rouen duck and feathers. Indian Runner male and female and feathers. Other illustrations to be added.

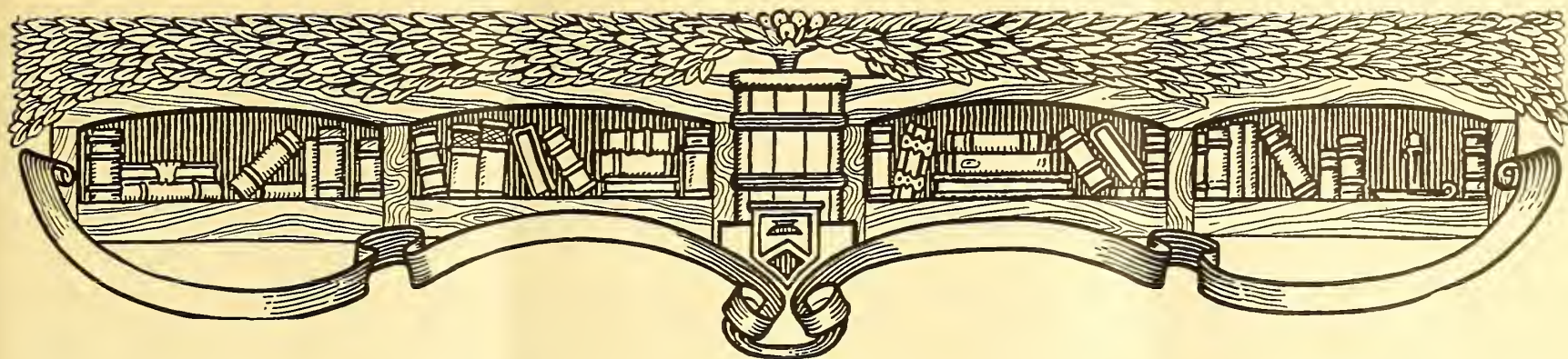
To EVERY ONE who in any way is INTERESTED in THE PERFECTED POULTRY OF AMERICA this book is respectfully dedicated

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## Our Circulation

## SHOP TALK

## Illustrations



**V**E PROMISED in our June issue to publish a list, by states, where THE FEATHER had gone. This was not printed in that number, as it was crowded out for want of space. The list will be found elsewhere. We are more than pleased with the results of our campaign for additional subscribers, which began the 1st of March last. More subscribers have joined us than we thought possible. They have come from every state in the Union, and are quite evenly distributed according to the poultry population.

In this issue we make an innovation in our illustrations and reading matter for the summer issue of a poultry paper, believing that this would be more attractive to our readers than would any other reading matter we might present. As stated before, we hope to take up the Plymouth Rock question in the near future, and are anxious to receive some good photographs to be used as illustrations, not half-tones, but the photographs themselves of the finest-shaped and best-marked Barred Plymouth Rocks.

## Photographic Contest

We want you to send us some beautiful photos during the coming month. We offer cash prizes for them. None of the photos are to be less than 2 by 3 inches, and preferably on solio paper. If printed on other kind of paper, we prefer it to have a smooth enamel finish. All photos submitted are to become our property. This contest is to extend from May 1 to November 30, 1907. Each lot of photos submitted must be placed in an envelope marked plainly on the outside "for THE FEATHER'S Photographic Contest," and have the name and address of the sender thereon. We reserve the right to reject undesirable photos and to select the winners. The prizes to be offered are as follows:

- Three dollars for the best photo of hen with chicks.
  - Three dollars for the best photo of group of half-grown chicks.
  - Three dollars for the best photo of group of old fowls.
  - Three dollars for the best photo of pair of old fowls.
  - Three dollars for the best photo of single bird.
  - Two dollars for second-best photo in each of these classes.
  - One dollar for third-best photo in each of these classes.
- Poultry, turkeys, ducks, geese, and bantams are all eligible for competition.

No photos received will be considered in competition unless they are enclosed in an envelope and marked as above de-



**F**OR two months past on this page we have told in anticipation of the unusual attractiveness of the July issue and the cover page illustration of swans. We feel that we have fully kept our promise in regard to this. The June cover page began a new era of illustration, combining as it does a beautiful nature study as a background for the poultry. This was undoubtedly a great success, as is also the beautiful cover page of swans. Next month we will have the Argus Pheasant frontispiece and a most complete article on how to grow peafowl, guinea hens, and pheasants. This, in connection with the article in the June issue, completes all that is necessary for any one to know to succeed in handling these fowls.

Having said so much about the merits of the August issue, we call attention to the September issue as the beginning of the autumn campaign to increase and better the Fall Fair poultry exhibits. The cover page for September will be appropriate to the season. An announcement of the subject will appear in the August issue. We have made arrangements with some of the best breeders of the country for cover page illustrations later in the season. Any one desirous of having their birds presented in this manner should communicate with this office at once.

A number of photographs have been sent to this office to compete in the prize contest, which was explained in both the May and June issues of THE FEATHER. Full information as to this contest will be found in another part of the page. Some responses have come in answer to our offer, made in both the May and June issues, of five dollars for the best suggestion for an article to be used in THE FEATHER. Look up the May and June offers and win the prize if possible.

scribed, nor will any be considered in competition that have been published in any paper, book, or magazine. All photos are to become our property for exclusive use in our publications.

Photographs made by any one may be submitted, providing the consent of the photographer is obtained by the sender. No prize award will be paid to any one not a subscriber to THE FEATHER. Only subscribers to THE FEATHER are to be considered in placing the awards. The awards having been made by us, no appeals will be heard.

## Coming Attractions

The comparison of the English and American Wyandottes by photographs, also showing the ideal type, drawn by Mr. Ludlow for the Wyandotte Club, of England, and the illustrations of the winners in England and America, will bring clearly to our readers the type desired by the club, and the actual winners exhibited at the late Crystal Palace Shows. This, in connection with the illustrations of the winners of the past winter in the same varieties in the United States, will give our readers the opportunity to study the conditions in both countries.

There has been unusual energy expended in securing these English and

American illustrations. To bring together in the pages of our paper illustrations made from photographs of these winning specimens throughout the world is an accomplishment that should be appreciated by all.

In addition to this we are promised an article on the Japanese Game or Phoenix fowl, by one of the best informed writers in England. This, in connection with information gained from the breeders in this country, will furnish our readers more information on the breeding of these fowls than has ever been published in any of the journals in this country. In addition to this we have an article on Buff and Blue-laced Wyandottes, written conjointly by the leading fanciers of England and America. This article will give four sides of the question by English and American breeders.

Bradley Bros. write that the Plymouth Rock cover page of the June issue was great. Certainly this, as well as the July cover, are masterpieces of artistic production in this line. Any of our readers can have their stock illustrated as well as this on the front cover page of THE FEATHER at a very reasonable cost. Write at once and claim some one of the coming issues for the presentation of your best specimens.

The illustrations of the guinea fowls, fattening plant, and the article on growing fifteen thousand chicks, in the June issue, give our readers a pointer or two. New features of poultry growing and the beautiful illustrations used in connection with their presentation, carry object lessons which are even more instructive than the written description. We feel assured that the illustrated article on Black Wyandottes, and another on the Silver-laced Wyandottes, will prove to be more pleasing than any articles of this kind we have yet published. Be sure and get THE FEATHER, for these two Wyandotte articles will be worth more to you than a five years' subscription to the paper.

## What Others Have to Say

"The Feather is all right in every way and a compliment to the publisher." Chas. Jehl.

"I have just received the March number of The Feather, and am charmed with its artistic beauty, not to mention its utility excellencies. You have the California bird on the cover, which is a winning card in this direction. With best wishes for the 'beauty' journal." M. R. James.

"I want to tell you how I enjoy seeing The Feather as a regular thing, and to thank you for it. It is a pretty busy day that keeps me from glancing over it, and it seemed like old times when I followed the fascinating feathered tribe at Dallas. Congratulations are in order, for typographically it's a winner as well." S. D. Dorrance.

"Fine feathers make fine birds' is a very old adage. So the fine finish in the make-up of The Feather makes it a bright, cheerful, as well as interesting contribution to American poultry literature; full of good information and devoid of much of the flimsy controversies that are too often seen to fill up space in some publications. The Feather should be appreciated by all earnest fanciers." Henry Hales.

"Although I am running a smaller ad with you than with others, and have not received as many inquiries from it as from some others, the little ad I have had in The Feather for only two months has brought me more sales than any other paper. You have made good, so reserve me twice as much space for next year. I like The Feather not only for advertising purposes, but for its beauty, its teachings, and the pleasure of reading it." Howard G. Davis, Prop. Glenolden Poultry Yards.



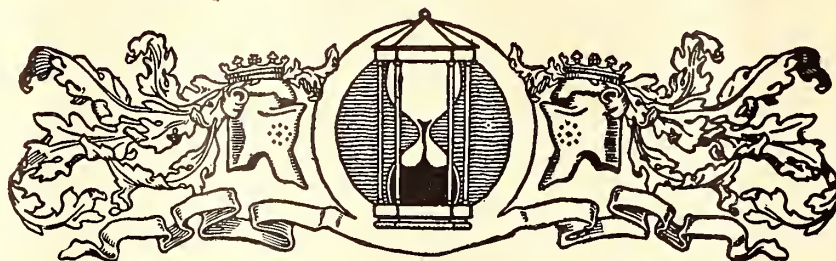
THE FEATHER on the news stands has become almost as much of a fixture as any of the leading monthly magazines. The news companies have become interested in the growth of our circulation from the fact that it is paying them as well as ourselves. Beginning with this issue, there goes to a largely increased number of agencies a large number of copies of THE FEATHER, which, we imagine, almost equals the entire circulation of some monthly publications. This will prove to be of more value to our advertisers than even they can imagine.

When such people as the Bradley Bros., manufacturers of hatching machinery and poultry appliances of all kinds, voluntarily write us that they can not afford to be silent in our columns, it is an intimation to all our readers of the increased value of the circulation of THE FEATHER. Ask your news-dealer for THE FEATHER, and tell your friends to inquire at the news stands for a copy. Note the beautiful front cover page of this issue, and the quality of the articles in each number. We are proud of it, and will be pleased if you only study our pages in quest of information.

The list published tells of the states into which THE FEATHER goes. This list was compiled in April, and should have been published in June, but was crowded out because of lack of space. We wish to thank every subscriber for his kind consideration during the past six months, and ask that each one will invite his neighbors and friends and fellow fanciers to add their names to the subscription list and to patronize our advertising columns when they have anything for sale.

Editor Hewes, of the Inland Poultry Journal, has given more of his time to the interests of poultrymen during the last few months than we had thought he could possibly spare. He has worked hard in the interests of the American Poultry Association, and we congratulate the entire fraternity on his election to the executive board. Miller Purvis, editor of Poultry, elected without opposition vice-president of the association, is another courteous gentleman who well deserves the compliment paid him. Mr. Purvis has been inhaling the air of the Pacific Coast beneath his own vine and fig tree in the shape of an orange grove. He returns to Poultry with new vigor, and, we imagine, full of the kindly sentiment for the fanciers of the Pacific Coast with whom he has been visiting. These two gentlemen have both complimented THE FEATHER in the columns of their papers, which have become landmarks among the poultry publications.

No one has worked harder, past and present, for the poultry fraternity, than Mr. Grant M. Curtis, who is elected for three years on the executive board of the association. Mr. Curtis wrote us recently that the finances of the association are in a splendid condition, \$7,500 being on deposit as a reserve fund, and in addition to this, quite an amount in an open account subject to check, to be used to defray the monthly expenses of the association. Mr. Curtis, who remains as president of the association until the approval of the election of the new board in August, has bonded himself in lieu of there being a secretary, and he will look after the funds up to the proper time of turning them over to the newly elected secretary-treasurer, Mr. Hallock.



## THE FEATHER

Volume XII

JULY, 1907

Number 10

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

Single Copies, 5 cents.  
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The HOWARD PUBLISHING CO.

714 Twelfth Street N. W.

Washington, D. C.

In our last issue we published a full list of the officers elected to the association. We feel that the poultrymen at large can congratulate themselves on the result of this election. Let it be hoped that the new officers will so revise the constitution, the by-laws, and the business working of the association as to make it a model organization representing the greatest live-stock interests in the world. There is plenty to do without contentions or quibblings over matters of minor importance. Let us get together on the subject of poultry culture and do something that will advance not only the interest of the exhibition poultry, but enhance the value of American dressed poultry throughout the world.

Three months ago we called attention in our columns to the fact that the American Poultry Association should revise the by-laws, providing for holding a poultry exhibition. This was quickly taken up by Mr. Rigg, the mover in this direction. His resolution, as passed, has been published in numerous poultry journals. If we had not called attention to this proposition, we doubt if it would have been brought so prominently before the poultry fraternity as it has been. While the writer has been reminded that he did not state the proposition correctly, the results desired have been obtained, and the people throughout the United States are thinking of the proposition of the poultry association offering cups and medals at selected winter shows. This should have more consideration on all sides, and should be acted upon.

Never to our knowledge has there been a more backward, unfavorable spring season for growing poultry than the one just past. More complaints of poor hatches and subsequent trouble to rear the chicks, diarrhoea, gapes, and chicken pox have been reported than have ever come to our notice in a whole season,

much less in three months. With all these drawbacks staring us in the face, we believe that the energy of the poultrymen will turn out, when the winter season is at hand, as fine a lot of exhibition fowls as ever have been grown. It is in the heart of the fancier to succeed. For this reason, success is always attained.

The front cover page of the June issue was made from a photograph taken of the Barred Plymouth Rocks exhibited by Friendship Heights Poultry Farm at the recent Washington Show. These birds were placed within a grove of natural trees and photographed from real life, the effect of which was so striking as to call forth many compliments from all sides. This is a departure which we imagine will please the fancy. Something new is always in line for THE FEATHER. Watch our cover page and reading columns during the next year for the best that has ever been presented in a publication. "Nothing is too good for THE FEATHER," writes one of our friends. We answer this by saying, "Nothing can be placed in the columns of THE FEATHER that will be half good enough for our readers."

We call the attention of all our readers to the request made in our last three issues for photographs to be submitted in competition for our prize offer. These photographs are beginning to come to hand. Some of them show the great ability of the many amateurs in the use of the camera. Try your hand, every one of you, and send in the best you can produce, and place them for competition with your fellow fanciers. Read carefully the Shop Talk page; every word will prove of interest. This page is our personal talk with our readers, all of whom we hope will study what they see there and send their comments to this office.

We can not refrain from asking, "How do you like our swans on the cover page?" This photograph was sent to our office two years ago by some one who did not even give his name. We have cherished this in hopes of using it as we have done in this issue. Mr. Graham worked up this cover page from a 2½ by 3 original. The nesting swan is different from the original in the picture, which was so small that it could not be effectively enlarged. This cover page is a combination of the beauty of nature and the ability of the artist. We would like to have some of our readers, familiar with swans and their cultivation, write and tell us where we are weak, and wherein we are strong in our illustrations, and advice about the cultivation of these largest of all of our water fowls.

Next month will be devoted to pheasants, peafowls, and guinea hens. In June we had a most descriptive and beautifully illustrated article on the guinea hen. Next month we will have an article on pheasants and illustrate it through the courtesy of Mr. Homer Davenport, who permits us to use some of his illustrations. Others will come through the courtesy of Messrs. Doubleday, Page, & Co., the editors and owners of Country Life in America. To all these we extend our thanks for the kind permission which enables us to display these fowls to the best advantage.

We have written letters to every member of the American Poultry Association in Virginia, West Virginia, and North and South Carolina, asking them to join themselves into a group and establish a branch organization of the American Poultry Association. Maryland might possibly be added to this group. We ask all the fanciers who may be interested in such a movement to write to this office and notify us of a willingness to thus organize. This would benefit the poultrymen of the South and their poultry shows, and bring closer together all the fanciers with the mother organization. The branch organizations have the right to send their president as a member of the executive board each year when the association meets in general session. These are valuable advantages that should be taken up without delay.

The meeting of the American Poultry Association to be held at or near Niagara Falls during the second week in August, will be of more importance to the poultry fraternity than any other gathering of poultrymen. Every one interested in poultry, whether a member of the association or not should make it a point to come to this meeting and listen to the proceedings. The lecturers that will be brought to do the institute work are the best equipped of any men who have ever made a profession of teaching poultry husbandry. They are picked from the colleges of this country and Canada. They are educated and equipped for the purpose, and the association offers you the opportunity of your life in giving you the privilege of listening to them.

We try to furnish each month a list of all the catalogues and photographs sent to this office. This list will usually be found in our Business World. All new features for our subscribers, advertisers, and general readers will be found on Shop Talk page. Read specially the offer in the center of the page of Shop Talk this month.





## Buff Plymouth Rocks

By A. W. DAKIN, Syracuse, N. Y.



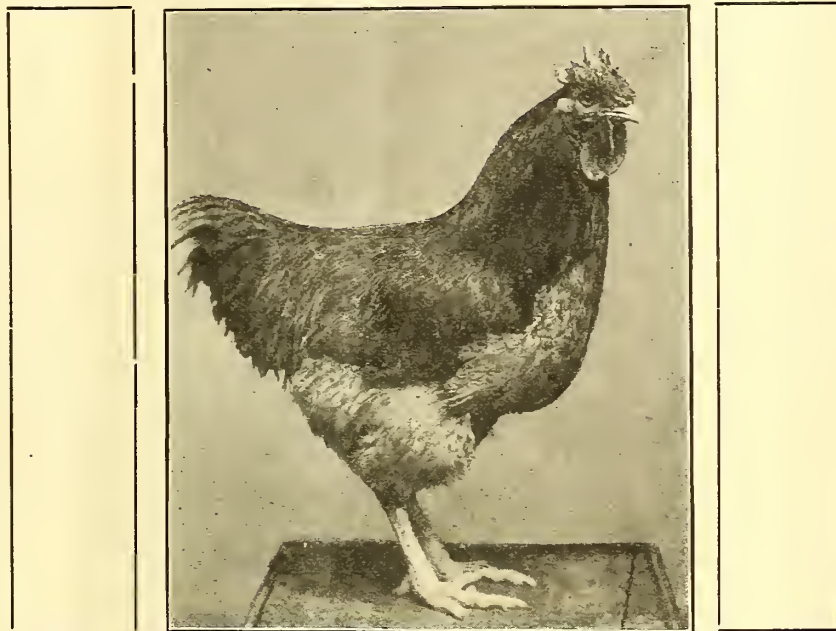
IN NEARLY every number of this and many other poultry magazines, I see articles written by ardent breeders, setting forth in glowing terms, the many advantages to be gained by keeping their chosen breed of fowls. Being an enthusiastic breeder of Buff Plymouth Rocks, I can not resist the temptation to tell the readers of this paper why I think that my favorites are the best general purpose fowls.

During the past ten years I have raised, and carefully tested, nearly every prominent breed, and during that time, have also improved, as far as possible, my own strain of Buff Plymouth Rocks. Thus it will be seen that I have had the very best opportunity for comparing them with other breeds. This testing I have carried on for the sole purpose of finding, if possible, the best breed of fowls. Therefore, what I say here is taken from an unprejudiced view point.

It is my opinion that there is very little difference in breeds when it comes to egg production, more depending on the strain than on the breed. My investigation along these lines leads me to believe that my Buff Rocks are in every way equal as layers to any breed in existence. They commence laying sooner after being broken of broodiness than any other breed, and they often begin laying in five or six weeks after hatching a brood of chickens. Only last summer I had a hen begin laying in six weeks after hatching, and in thirty days from the time I found the first one in her coup, she layed twenty-six eggs. This is an egg record perfectly satisfactory to me, and I do not believe it can be surpassed by any of the so-called "egg machines." I found that my Buff Rocks were not so easily affected by cold weather as many of the other breeds. When we had a cold spell, the other breeds would stop laying, but it was not so with the Buff Rocks; I could count on their beautiful, brown eggs, no matter how cold the weather was.

As dressed poultry for market, they are certainly the equal of any other breed. Those who have bred them will agree with me on this point. They are plump and round at any age. The meat is very tender, sweet, and juicy. They excel some other varieties when you consider the attractive features of a well-dressed carcass. The color of their plumage is decidedly in their favor, for while you are breeding for buff surface you are not losing the yellow skin but are materially improving it, and it is the one most important quality of high-grade market poultry. The Buffs are, when dressed for market, absolutely free from dark pin feathers. This can not be said of all, as many can only boast of this to a certain degree. In white birds the richness of the color of the skin can not always be obtained. They are profitable for broilers and roasters, because it requires so little food to produce them.

I would not be doing this remarkable breed justice, if I did not speak of their rapid development. Last spring I had four broods of chickens hatch on the same day. Each brood being a different breed. One of which was Buff Rocks. All were given equal chance, being fed at the same time, the same food, and all the other conditions being alike. At the end of twelve weeks, the Buff Rock cockerels weighed from 8 to 10 ounces more than any of the other cockerels, and the pullets from 4 to 6 ounces more than the pullets of any of the other breeds. I have tried this experiment many times, and I always found the Rocks in the lead at the end of three



BUFF PLYMOUTH ROCK COCK, OWNED AND BRED BY MR. DAKIN

or four months. The nearest approach to them was the White Wyandottes.

Buff Plymouth Rocks are certainly all that can be desired as a fancy fowl. Some say that the high-scoring birds are too hard to get, but I say that that would make them more interesting.

Not long ago a stranger came into my poultry yards and stood a long time, apparently admiring a large Buff Rock cock bird. "Well," I said, "what do you think of him?" "He is a beauty," said he. "I do not see how you can get such large, even-colored birds. I tried to breed Buff Rocks to the standard myself once, but made a failure of it. I started with the best stock I could buy, but at the end of three years, my young birds were full of black and white feathers, and were much below the standard weight, so I gave them up and got White Wyandottes. I love the Buff Rocks though, and would be glad to breed them if I could make a success of it. I wish you would tell me how to do it."

My answer was this: "They are no more difficult to breed to the standard than any other variety. Care, study, and

perseverance are the secrets of success in breeding fancy poultry of any kind."

There are many other points of superiority in the Buff Rocks than I could speak of, such as hardness, size, etc., but as I feel that the article is already long enough, will close by saying that if you are not really a breeder of Buff Plymouth Rocks, give this beautiful and most profitable of all general purpose fowls a trial, and you will be convinced that I have not overdrawn what I have said here.

## Non-sitting Varieties

The recent agitation relative to the causes that produced the non-sitting variety of hens has brought to the front many problems in connection therewith that might well be considered at the present time. The theory advanced is that the non-sitting tendency was bred into the Mediterranean varieties through the persistent practice of not permitting the laying hens to hatch her own brood, by removing the eggs from the nest, and breaking up the fancy so soon as it made its appearance. The determined effort not to permit them to hatch their eggs year after year, and generation after genera-

tion, is thought to have caused the trait which now naturally belongs to many varieties. In connection with this, the theory has been advanced that the continued use of artificial hatching machinery would have much to do in changing the broody disposition of our American varieties into non-sitting proclivities. It might be that each year there will be less of this disposition as they drift further away from the practise, until finally the thought of incubation would be entirely obliterated.

The constant perseverance in the determination not to permit Cochins to hatch their own eggs for generation after generation, changed a well-known strain of Buff Cochin fowls to almost a non-sitting variety. The fact that Brahmas have laid through the entire year without becoming broody, has been recorded many, many times. If it were not for the fact that some of our hens are permitted from time to time to hatch and rear their own broods, theorists are of the opinion that all poultry would become non-sitting, and would cease to hatch their own or eggs that might be laid by others.

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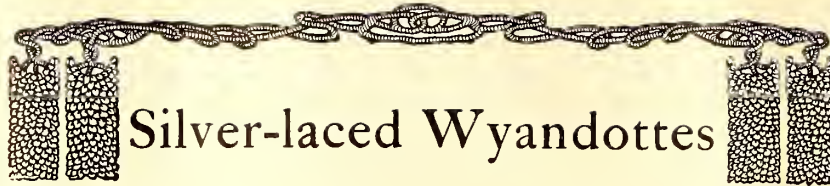
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## Silver-laced Wyandottes



**COMMUNICATION** from William P. Yetter, New Bavaria, Ohio, has just been received, in which he makes some timely remarks relative to the Silver-laced Wyandottes. He thinks that the breeders of this country have devoted too little of their time and attention to these, the original of all the Wyandottes, which are the most beautiful to us of all fowls, and which are the great egg-contest winners of Australia.

He thinks that perhaps if those interested in these would pay more attention to having better quality, better Wyandotte type, and more beautiful open-lacing, that the attention of the people throughout the country would be called to them from the fact that none are better egg producers, have better table qualities, or are more healthy and easy to rear, and perhaps none more difficult to produce in the finest exhibition quality.

For broilers, egg-producers, frying size, light-weight roasters and heavy fowl, the Silver-laced Wyandotte fills the bill at every turn. The writer thinks that it would be difficult for any one to choose between the male and female for beauty, and also thinks that if the breeders of the country would unite in a determined effort to demand at the hand of the judges the same quality in Kansas as in New York and Boston show rooms, that it would be better all along the line for this beautiful variety.

This communication reminded us of a promise made a short time ago to some of the most enthusiastic breeders of Silver and Golden-laced Wyandottes. They reminded us of what we had written nearly twelve years ago relative to the manner of producing the best quality of male birds, and the most beautiful pen of laced females of both varieties. The facts are that it is utterly useless to attempt to exhibit a Laced Wyandotte in the show rooms of New York and Boston unless the most exquisite quality is present. Open lacing is demanded on every side. No one can hope to gain even consideration in the show room of the present day, who does not produce the open-laced Wyandottes.

With the same letter referred to above came one from Mr. E. C. Miller, of Huntsburg, Ohio, in which he encloses two photographs of his open-laced specimens, as seen at home, and states that it is much to be regretted that the older, well-tried varieties have been neglected for the new, untried ones, but that he believes that there is a change at hand, and that those who know how to produce the best laced Wyandottes will, in the near future, have more demands for their stock than they can possibly supply.

As stated above, about twelve years ago we called the attention of the fanciers to the fact that the top color of the male birds in the Silver-laced Wyandottes had been neglected, and permitted to become so overcast with metallic shading as to ruin the appearance. We called the attention of the fanciers to the necessity of using as specimens for reproduction the

males with clear, clean top color, and those showing an open center in the plumage of the back and saddle of the males. This open center marking in the back plumage of the Silver and Golden-laced Wyandotte males is an absolute necessity for producing pullets having the beautiful open-laced plumage throughout, and males with good, clean top color and attractive open lacing on breast and body. We have met two extremes in this variety during the past winter. Some of the females show beautiful lacing throughout the entire plumage, free from mousing and bad color on back, saddle, and through parts of the plumage. In the reverse to this, we have seen a number that should have been discarded entirely from the exhibition hall, because they scarcely show a white center in the greater part of the plumage. In some instances an oval-shaped line of white was all that appeared in the center of the feather. These should be discarded, and never again considered as exhibition laced Wyandottes.

The true marking of the laced Wyandotte female should be that every feather other than the hackle, tail and wing feathers should have either a white or a golden center as large as possible in each feather of the body, with only a reasonably wide black lacing around the outer edging. This makes the proper marking for the plumage of the female. The male should have the same open-laced marking of breast, body, fluff and thighs. The top color should be silver white with the hackle and saddle striped with black, the wing should have the double bar of laced feathers between the bow and the bay of the wing. The under-color of the laced Wyandotte should be dark slate; the undercolor of the Golden may be mixed somewhat with the bay color. The idea is to have the Silver-laced Wyandotte as clear and clean a silver white top color as possible, properly marked with black; the female the same. In the Golden Wyandotte, the only difference is the presence of the golden bay. There is no use of any one holding to the theory that they can succeed in producing good Silver-laced Wyandottes from badly marked, inferior specimens. For the Silver-laced Wyandotte breeders to offer any excuse whatever for the ugly, unattractive metallic black shading in the top color of the male birds is ridiculous in the extreme. We would call attention to the beautiful color and markings of the Silver-penciled Wyandotte males and females, and of the



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Silver-penciled Plymouth Rock male and female. These carry the same blood relationship, the same color and much the same marking in the males as in the males of the Laced Wyandotte. It is a perfect face to see the dirty, smoky metallic marked top color of the Silver-laced, as compared with the beautiful, clear, clean top color of the Penciled males of the same breed. Why they can not be as clean, clear and as attractive as the Penciled Wyandottes and the Penciled Plymouth Rocks, no one but the producers of the Laced varieties can tell. When questioned, they hesitate, and seldom, if ever, will argue the proposition. There can not be any reason why, if care and attention are given to these that the backs could not be cleared up and made more attractive.

Several varieties in the American classes are being ruined with the presence of metallic back in the surface plumage in the males. This is more strikingly seen in the Barred Plymouth Rock and the Laced Wyandottes than in any other variety. When varieties have stood for a quarter of a century as the model for a breed, it is a sad reflection on those who breed them to have so severe a criticism cast against them as the destruction of beautiful, attractive surface color, and clean, clear shanks for other not nearly so attractive features as the beauty of these when seen at a glance or studied for better acquaintanceship.

Well-bred specimens of the Golden-laced varieties outrun the predecessors of the Silver variety in clean, clear colors, open lacing and markings. Whether or not it is less difficult to handle these for best results, or whether the golden bay color reflects less prominently, the metallic markings need not be considered in the proposition. Compare your Silver-laced males with the Silver-penciled males for comparison in surface color. Do not compare them with the Golden only for the even, open lacing of the plumage, clean-cut wing bars and breed characteristics.

A number of the males of the Silver-laced variety have no type distinction. We regret to be called upon to admit that some of the New York and Boston winners in both varieties fail entirely in type. One of the blue-ribbon winners at Boston failed in breed characteristics; in shape she was anything but a Wyandotte, but her color attractive. Would the same color have won on the Java or the Houdan, if entered in the laced Wyandotte classes? The question is whether we shall lose sight of true Wyandotte shape for color and markings, or whether we will cling determinedly to the proper Wyandotte type.

The reason that the Laced Wyandottes have lost favor can largely be credited to the fact that the breeders of these have lost the cast and character of the varieties through a disregard of the beautiful Wyandotte type that adds so much to the beauty of a handsome, well-marked specimen. The fact that some of the most perfectly shaped Wyandottes seen are found among the two laced varieties proves conclusively that the best of them can be produced to the true type and character of the breed. When proven so conclusively, no one whatever should give the least encouragement to bad shape, no matter how true and attractive the color and marking may be. What the breeders of the Laced varieties should do to regain their former popularity is to hew close to the line of true breed characteristics.

## The Value of Our Poultry Products



AN ARTICLE from the pen of Mr. George B. Waldron was published in the October issue of Agricultural Advertising, in which he places the value of poultry products at \$500,800,000, calculated as follows: The farms in 1905, eggs based on census and other information, \$240,900,000; poultry, based on census and other estimates, \$314,400,000, a total of \$555,300,000. In villages he estimates the value of poultry and eggs at \$45,500,000, making a total as above stated.

In presenting the case to prove the above statements, he says: "If the summary of the above table be accepted, it appears that eggs to the value of \$265,000,000 were raised and sold, or eaten in 1905; that poultry was disposed of to the clude poultry actually on hand at the end of the year. It only refers to the amounts sold and consumed during the twelve months." He goes further and asks that we remember that this calculation is the home value of the product, and not the cost to the consumer. If the value to the consumer were considered, it would add at least another hundred million to the value of the product. This would bring the total value of poultry products of all kind as sold to the consumer to the enormous sum of \$600,000,000.

Through the records kept by the commission houses, there can be traced nearly two thousand million dozen eggs gathered and sold through them during 1905. This would be considered an enormous number of eggs were it not that it provides less than one egg each per day for the inhabitants of this country.

This calculation comes nearer to our

notion of the value of poultry products than any other that we have seen. In dividing the section of the country into states and divisions, he credits the dozens of eggs sold to each locality. In this estimate it is surprising to notice that Missouri is in the lead with 85,000,000 dozen of eggs; Ohio, which is not usually credited with equal importance in poultry matters to other states, has a credit of 91,000,000 dozen of eggs produced. The order of production of a few of the largest producers would be as follows: Iowa first, Ohio second, Illinois third, Missouri fourth, and Kansas fifth. The North Atlantic States, including the New England States, New York, New Jersey and Pennsylvania, do not stand near so well in the egg production as do the North Central States. Out of the billion and a quarter dozen eggs purchased during the year, Ohio, Indiana, Illinois, Michigan, Wisconsin, Iowa, Missouri, the Dakotas, Nebraska and Kansas produced 716,000,000 dozen, considerably more than one-half the entire egg production of this country. When we stop to consider that this nation produced in 1905 \$265,000,000 worth of eggs, how small seems to be the statement that England purchases over and above her own production about 7,000,000 pounds sterling of eggs. American people are the heaviest consumers of eggs in the world. Allowing a population of 80,000,000, the product of eggs for 1905 would provide about three dollars worth of eggs per capita to the entire nation. We scarcely imagine that many of us would be willing to accept so small an allowance as this when we consider that eggs are used for all kinds of culinary dishes in addition to being used for breakfast and supper in numerous styles of cooking.

## Lice and Disease

When chickens show an inclination to change their roosting place their nesting place and go shy of the poultry building, you can depend upon it they are trying to get away from the lice. Filthy houses are always the breeding place for insect vermin. Impure water and damp quarters cause diarrhoea and cholera. Close confinement means lack of health and vigor, cold drafts produce roup; too close inbreeding, lack of vitality, and bad attention all kinds of ailments that are debilitating to the system. Exposure to damp causes rheumatism; too much fattening food, apoplexy. The liberal use of insect powder on poultry, old and young, is a great benefit to prevent the scourge of insect vermin. Grease properly applied will do as well. Too much grease, carelessly applied, may kill your poultry old and young.

We copy a few rural suggestions against insect vermin from Farm and Journal. They are as follows: "For lice, use onion peelings; if not strong enough, some sliced onions in the bottom of the nest. An excellent remedy to keep vermin away from chicks is an

ointment made of equal parts of lard and coal oil; rub their heads and under their wings with the ointment; sprinkle the eggs in the nest of a setting hen with red pepper, spray the henhouse with strong salt water, spray the henhouse with apple vinegar, and give a good dose of it to the roosts and nests. Paint the roosts with lard or tallow; let the nesting material be refuse tobacco stems and leaves. Buy five pounds of moth balls, pulverize them, and mix with five pounds of air slacked lime or sifted wood ashes. Apply this liberally to nests, roosts and floor of the hen houses."

In consideration of all these, in the first place, onions will not kill lice; neither will red pepper. The only way to kill lice is to close the breathing pores which are through the skin. The little pores of the skin furnish the life-giving power to the hen louse. If these pores are closed in any way, the louse will die. Neither vinegar, onions, slacked lime, tobacco stems, nor any of these materials will destroy them unless by closing the pores to stop their breathing or kill them by suffocation.

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




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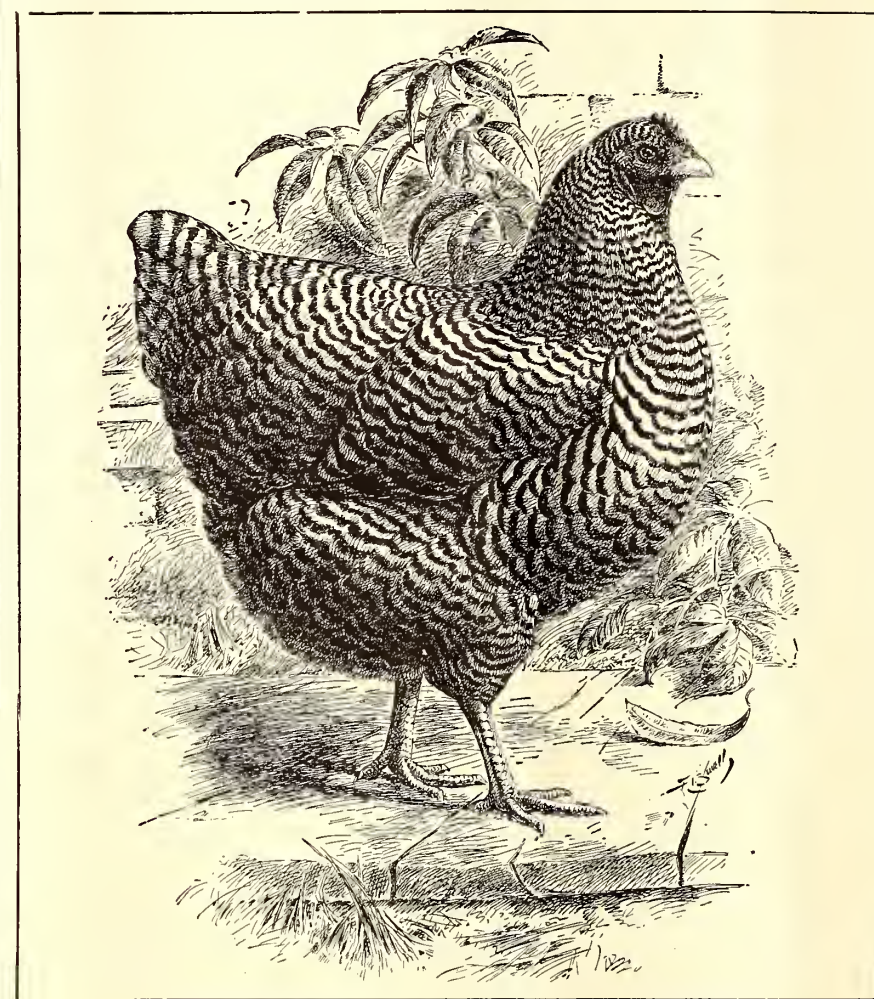
## Shipping Dressed Poultry



SHIPPING dressed poultry to market is an art in itself. Too many of us pack our poultry in boxes or barrels, and press them down so that when they are removed and offered for sale they are crooked and ill-shaped and unattractive. It would pay any one to nail together a box of the proper size to hold twelve, eighteen, or twenty-four dressed fowls. It is better to use the one-layer box. This is a foot box, across which can be

hour limit has expired, the third day from date of killing thereafter is better than the second. After that it is a matter of care in preserving it either by cold or other conditions.

Great improvements have been made in killing and dressing poultry. Stabbing in the roof of the mouth with a knife is used almost entirely at the present time. A new system of twisting and dislocating the head from the neck and elongating the open space in the neck near the head so as to permit all the blood to run and settle there has been presented. The



BARRED PLYMOUTH ROCK

closely packed a double layer, one fowl deep, the bottom of the box lined with paper, the sides and top the same. When this box is packed and shipped in a cold-storage car, the fowls will reach the market in fine condition and bring the highest prices. When packed promiscuously in boxes and barrels and pressed down, their condition is quite the reverse. To get poultry into market dry-picked, wrapped in paper, without having been dipped in water or packed in ice, makes it much more likely to have a good sale. Of course, to do this, one must be prepared for quick action and prompt delivery, for when poultry must be kept for any length of time outside of refrigerating conditions, it is apt to spoil. The best poultry that we have to eat is that which is cooked within twenty-four hours after being killed. If the twenty-four-

value of this over the stabbing is, that the opening in the roof of the mouth permits the air to fill up the space caused by the loss of blood, whereas dislocating the head and permitting the blood to settle in the open space of the neck, prevents the air from going into the interior of the carcass.

There are a number of systems of feeding poultry for market. First, is what is called yard-feeding. This is accomplished by confining twenty-five or fifty fowls within an enclosure that has a small house for sheltering the fowls. The floor of this house is covered four or five inches with dry sand and littered with straw, and the small yard or runway, covered with sand or gravel and kept perfectly clean. The fowls are fed all they will eat of the most fattening kinds of mesh or mixed foods in troughs.

As soon as they are as well finished as they can be in this way, they are moved into small crate coops, two or three in a coop, in a dark building, and fed three or four times a day with the same kind of food, the light only being permitted to come into the building at feeding time. Whenever it is thought desirable to feed, the curtains are raised, the light permitted to shine in, and the poultry are all fed. As soon as they have eaten a sufficient amount to satisfy them, the room is darkened and the food that remains is removed.

The process of crate fattening is to have a series of coops so constructed as to insure cleanliness. Into these are placed two or three fowls of about the same size in the same coop. These are fed in troughs four or five times a day, as much as they will eat, with but very little water; the food all being mash or mixed food. Where the crate-fattening alone is made use of, as soon as the fowls are as plump as they can be made in this way, they are deprived of food over night, killed in the morning, dressed and sent to market.

The continuation of this kind of crate-fattening is by the addition of the stuffing machine, which is used as soon as the poultry show a lack of inclination to feed themselves as they should. They are then taken two or three times a day from the crates, the tube of the stuffing machine run down their throat, and their crops filled full of rich, fattening gruel, into which has been mixed a little melted tallow. No water at all is given when the stuffing machine is used. Under this method beautiful, plump poultry can be made. Where white flesh is desirable, the mixture is made from grains that produce such a finish. Where the golden yellow is desired, the mash is made principally from yellow cornmeal.

In packing houses or other private crate-feeding establishments where the process is thoroughly understood, surprising increase in weight is gained inside of three weeks. It is claimed that from 40 to 65 per cent. can be made in three weeks, largely depending upon the condition of the craters when they started to feed. When it is remembered that all this increase is good, solid, eatable meat, and we realize that a chicken that weighs three pounds when put in the feeding crate may be turned off in twenty-one days weighing four and one-half pounds, the fact that there is so much more meat upon the carcass, and that meat so much more tender and delicate, we will readily understand why such poultry brings the higher prices.

Shipping of eggs to market is another feature where the packer can largely control the value. In packing of eggs in cases, if possible, always put the white-shelled eggs in one case, and the brown-shelled eggs in another. If you do not have enough to fill a case of each, pack one side of the case with the white-shelled eggs, the other side with the brown. Pick out, and use for home consumption, all the small, cracked, rough-shelled, bad-colored, eggs and only place in the case for shipment the fine ones of regular size and colors. In this way you will gain enough more in the value of the selected eggs to more than pay for the ones you have kept out for home consumption. It is far better to do this than to stand the reduction of price of from 2½ to 3 cents a dozen, which would be about a dollar a case reduction in price on account of a few badly-colored, ill-shaped ones packed in the cases.





## The Domestication of Swans



IF ONE begins a search for information relative to handling swans as domestic water-fowl, they are sadly disappointed, as so little is written about them, outside of scientific reference, as to count for naught. A careful examination in scientific and public libraries brings but little additional instruction of value to those who would rear them for pleasure on their country places. Weeks of careful investigation brings the writer face to face with the fact that the best information that we have been able to find is contained in the article written by Lewis Wright for the Book of Poultry, and the article

was issued that any one stealing swans should be imprisoned for a year, and at times an additional fine was imposed. Later, only those who possessed land of a certain value were permitted to keep swans. If swans choose to build their nests on the banks of certain rivers instead of on the islands belonging to their owners, an assessment must be paid to the land owner of a portion of the young grown from this nest. Very extensive growers of swans were permitted to rear and maintain their flocks on the Thames, near London, toward Henley. Wardens and inspectors were appointed by the chamberlain, who had more or less to do in protecting, or rather selecting the birds for the different owners.

One of the Government scientists, within the last few weeks, told us that he had visited a locality in England where many swans were grown, and that it was a beautiful sight to see the large numbers of lovely white birds, accompanied by their somber-hued young, swimming about, apparently contented with the situation and the manner of their keeping. We are told that in the census of swans, published in the latter part of the 90's, there were nearly five hundred recorded on the Thames between London and Henley. More than half of these belonged to private individuals, the balance to the crown. Writers state that they have known male swans that were guarding their mate at nest, or the young recently hatched, to attack bathers in the Thames, and to contend so vigorously with one or two men as to almost gain the conflict. Usually the men retire to save injury, as they do not care to take the life of the swan.

The Mute swans are the best known to the average person. These are seen more frequently than all the others, and are usually selected for public parks and private estates, where a few are kept for their attractive appearance. The average brood hatched is four, usually two pairs, but occasionally as many as six eggs are laid in one nest. It takes forty days to hatch the eggs. Some state that it takes six weeks for the eggs to hatch. This would be forty-two days. The male at times relieves the female from the duty of brooding the eggs.

In answer to a letter addressed to Mrs. Stock, who grows swans in Michigan, we received the following reply to a request sent her asking her when a lot of young swans had been hatched that we examined that came from her flock. These young swans were very large in size and ten

months old, as her letter in reply proves. They had changed from the gray or original color of the young swans to almost white. The lower portion and the flights of the wing and the plumage underneath and about the abdomen were still of a smoky gray color at ten months old. We give below in full the letter received from her:

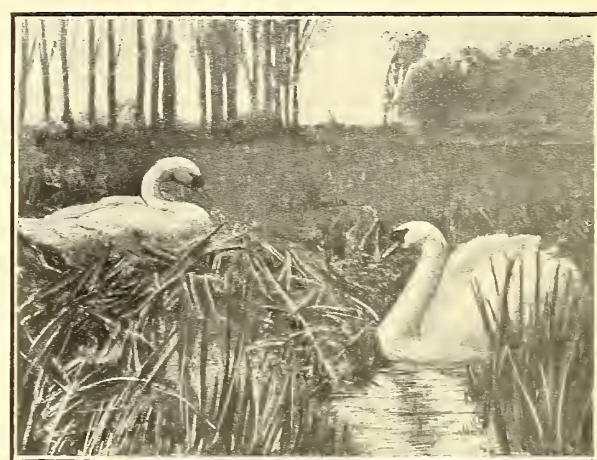
"The swans were hatched in the first week of June, 1906. I keep one pair of imported swans, the male from Russia, the female from Holland. The most I have hatched from them in one year were five. They build their own nests and change off in the hatching. It takes six weeks. For the most part, however, the female keeps the nest, and the male guards her. We feed the young swans bread at times, but they are not



SWAN LAKE, SOLDIERS' HOME, WASHINGTON, D. C.

written by myself and published in Country Life of America, August, 1904.

Centuries ago swans were extensively raised in the waters of England, and herded, we might say, as the word is applied in this country to the herding of livestock, on the free ranges; the claim of ownership of these to be proven by the registered marks which belong to each owner. In the same manner the swans of early days were registered in England. Many of the old register marks have descended from family to family, and are used, we understand, at the present time for marking flocks still owned in England. During the reign of Elizabeth, it is stated, nearly a thousand of these registry marks of ownership were recorded. We learn that, in 1496, an order



THE SITTING SWAN

fond of it. The main food is wheat. During the hatching the male is very fierce, and allows no one to come near the nest. After a certain time the parent tries to drive away the young ones, or if their wings are clipped, to injure them. A young swan, which happens to hurt itself, is not allowed to live by its parent.

"I know of no swan book. I obtained my knowledge of them partly from a German encyclopedia, but mostly from experience—whence my success."

This proves that in this instance the male divides the duty of incubation with the female.

The pure black swan is a beautiful companion bird to rear with the Mute or common white swan. The Black swan is a native of Australia; it is





MUTE SWANS IN ROCK CREEK PARK, WASHINGTON, D. C.

smaller in size and more slightly built than the Mute swan. They are more prolific breeders; some of them have been known to rear two broods of young in a single season where the warm weather continues for a number of months. We have seen the mother swans of both the Mute and the Black variety with their young. The Black swans are disposed to be very quiet and rather friendly where kindly treated. Handfuls of bread thrown upon the water will attract them. We have seen the White swans feed vigorously, even coming from the water to the land to gain this bread. Even while eating the food they show a pugnacious disposition and seem overly anxious to guard their young; while, on the other hand, the same treatment toward the Black swans is more graciously received, although they seem to be more timid and shy. They do not exhibit the same disposition to be quarrelsome or to attack one.

We have known the White Mute, the pure Black, and the Black-necked swan to be kept together in one locality, where it would become so extremely cold in the winter as to almost cover the entire pond used by them with a thick covering of ice. We have evidence that these swans would continue to travel from their island home over the ice to the center of the pond and swim in the water as long as there was a bit of open water for them to go to. While the swans are naturally migratory, when pinioned they can not fly away, and when once they have become attached to their home by adoption, show but very little inclination to wander.

Swans may be kept in any locality where they can have sufficient water for a swimming pool and where they can feed from the verbiage and plants that grow in the water or near the water edge. The ideal spot for the swans is a pond fed and refreshed constantly by living springs, which has an island in the center; if necessary this may be an artificial island built up from the bottom of the pond with rocks, coarse gravel, sand, a covering of earth and sod on the top. On this might be planted a few trees and some underbrush, with a building, or several small buildings, constructed thereupon, according to the number of swans. These should be semi-open buildings, for the use of the swans when the weather is very severe. A house for each pair is best. They prefer to mate and go in pairs, and

for that reason there should be a building of sufficient size to accommodate each pair and their young.

The swans prefer to build their own nests in a secluded spot, preferably among wild cat-tails, if they can find them, or any growth of underbrush that will shelter or hide the nests from view. Both the male and female enter enthusiastically into building this nest. As soon as the first egg is laid the male swan goes on guard, and from that time until the young is hatched he is a savage guardian of his mate and her nest. After the young are hatched and they come from the nest, both he and the mother swan guard them carefully.

Where there is ample range for the swans, and a food supply of grass and other verbiage, they need but very little attention in the way of feeding. Usually on small estates there is not enough

of this natural food to satisfy them. Coarse meal, broken bread, and biscuits scattered upon the water provides good food for them. Wheat, small broken corn, boiled oats, whole corn soaked until it is soft and fed to them in buckets or troughs filled up with water, makes a good food supply. Hard corn on the ground is not good for them. We have known bucketfuls of clipped oats to be boiled and fed to them just a little warm, never hot, and not too much at a time. Great care should be taken never to feed either the boiled oats or the soaked corn after it has become sour, and never oftener than once or twice a week.

There are a number of varieties of what are called by the sportsman wild swans in North America. None of these, we believe, have ever been domesticated. Some kind of swans have been brought from the Pacific Coast and from our own southern states, and have been kept and shown in special collections at sportsman shows and in traveling menageries. Those best suited to the purpose of domestication are those previously described. These can be depended upon at all times to become domesticated and to remain about the home selected for them, providing one wing of each bird has been pinioned. The young, as stated above, usually come in fours. Those of the Mute variety are gray when hatched, and continue to possess this color until they are twelve months old or more. Geese, and even ducks, can be grown upon the same pond with the swans, providing it is large enough for the accommodation of all. If but of limited size, they are apt to be quarrelsome, especially the swans and the geese during the breeding season. On the small lakes of the Soldiers' Home in the District of Columbia there have been grown White and Black swans, Embden, Toulouse, and Canadian geese. The swans take possession of one end of the larger lake, the Canadian geese the other end of the same lake. The Toulouse and Embden are pleased to occupy the smaller lake of the two. None of these seem to interfere with the others. In other localities, where we have seen all these kept where there was not so much room, there was more or less quarreling.



THE WINTER QUARTERS FOR THE SWANS



We have reserved for the close of this article the words of the late Lewis Wright, of England, published in the Book of Poultry relative to the management of swans:

"The true swans are the largest of water-fowls, though the family, which comprises seven or eight known varieties, has one or two members smaller than an ordinary goose, and possessing characters apparently midway between the geese and the ducks. Their general obvious characteristics are a rather long body, carried horizontally, short legs, and very long, slender necks, with long, snake-like heads. The wild birds fly in flocks in the V-shaped phalanx common to all the larger water-fowl, and when fairly on the wing fly strongly, and sometimes at a height of several thousand feet, but they seem to rise with some difficulty. They usually take flight from the water and splash along for twenty or thirty yards till they have gathered 'way' enough, and they descend in the same way. They are more or less migratory, like the ducks and geese, though often remaining in one locality that suits them. They are strictly monogamous as a rule—though one or two rare cases of two females mating with one male are reported on credible authority—and usually pair for life, which may amount to as much as a hundred years, if no accident happens. As usually, when such is the case, the two birds cherish the deepest affection for each other, always swimming close together, frequently caressing their mates about the head and neck, and if necessary, fighting for one another with the greatest courage. They fight with their wings like geese, and strike with fearful force. They feed chiefly on vegetables, including the roots and stems of cresses and plants, which they pull up from the mud, stretching deep down with their long necks, but never diving. They will, however, also graze to some extent on land, and it is believed eat also fish spawn and anamallæ; probably they also eat very small or young fish occasionally.

"The male swan is called a 'cob,' the female the 'pen,' and the young ones 'cygnets.' Both parents help to make the nest, which, when at large, is a very big affair, built up with sticks and rushes and coarse grass outside, and lined with fine grass and down. In this six to nine eggs are laid, which are, of course, large and very thick in the shell, of a dirty white or pale green color. The time of incubation varies somewhat from thirty-five to forty days. The young are densely covered with down, taken to the water by the parents almost immediately, and watched over with the greatest solicitude, more than four or five being rarely hatched out of one nest. The first year the plumage of the ordinary Mute swan is gray, and the bills blackish gray instead of orange. The flesh of the young birds is very tender and resembling that of the goose, but not quite so rich, and, as swans hatched and brought up under geese are much more domestic in their habits, it was at one time thought possible that cygnet-rearing for market might prove remunerative, but the decrease in the demand for very heavy geese has deprived any such attempt of practical interest.

Owing to their slow development, the sex of young birds is not easy to distinguish. When approaching maturity, the male of the common swan is larger and more bold looking, with a thicker neck, larger knob, and brighter bill. But the first distinction which can generally be ob-



WHOOPIING SWANS AND THEIR WINTER HOME

served is that the male swims or floats considerably higher or more on the surface of the water, while the female sinks much deeper.

"The common or Mute swan is the largest and most graceful on the water of all. It has an orange-red bill, with a black knob at the base, brown eyes, legs and feet blackish gray, plumage all over a pure white. Its note is soft and low, but it is not mute as the name would imply. It is common to Europe and America. A sub-variety, called the Polish swan, comes from the Baltic region, and is characterized by paler legs and knobs, and the fact that the cygnets are never gray, but white from the very first—a single parallel to the Embden goose. The Whistling, Singing, or Whooping swan really has a most beautiful note, especially when flying in company overhead; is also white in plumage, but is smaller than the common swan; has no knob on the bill, and is shorter and thicker in neck, which is carried more straight and upright. This swan is sometimes found wild in England, and no doubt would be seen oftener but for 'sportsmen.' Berwick's swan is still smaller, and has a similar carriage of neck. Both these are very difficult to obtain in pairs. The Black swan of Australia is not as large as the common swan, but the neck has a similar graceful carriage, and the general shape of body is the same. This swan breeds well in confinement, sometimes two broods in a year, and the young are hardy. It has no knob on the bill, which is red, the legs are black, and the plumage black except white in flights.

"The Chilean or Black-necked swan is about the same size as the last, with a leaden or gray bill, and the large knob on it rich red, the legs orange red. The body is pure white, the neck and head jet black all but a streak or patch across the eye. It carries the neck upright and straight.

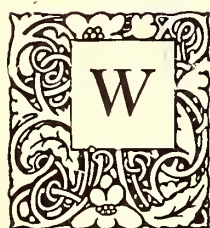
This beautiful bird is not a very ready breeder, but has been reared successfully for many years in the gardens at Regent's Park. Another so-called swan from South America is smaller than many geese, and has such long legs and short neck that its place in the family is, perhaps, doubtful. It has red bill and legs, and the body is white except the wing-quills, which are tipped with black. Swans retain so much of their wild instincts and are such powerful birds and so jealous of interference that it is useless to attempt to manage them at all like domestic water-fowl. They resent the presence of any one very near the nest. Where there is ample range of grass and water they are best left entirely to themselves, like the swans of the River Thames, or as on many lakes in England.

"On the smaller, ornamental lakes of parks and country-seats, they must be treated rather differently. Here an enclosed shed should be built at the edge of the water as a swan house, with one entrance over the water, though there may as well be another from the land. On the side of the bank facilities may be provided for a large nest or two, so as to give a little choice of locality, and a supply of sticks and rushes, and hay may be placed at hand. Often a nest already half made will be taken advantage of, but for the rest the birds must be left to themselves, beyond throwing them some grain or broken biscuit upon the water. The cygnets may be fed, if wild, in the same way, by throwing meal or grits upon the water, but when the old birds have become familiar they will generally bring their young, when once hatched, up to the bank. First meal, and later on grain, can be given in a trough of water, not forgetting some clean gravel. It seems a rule rarely broken for four cygnets of the common swan to be reared."





## Summer Grown Chicks

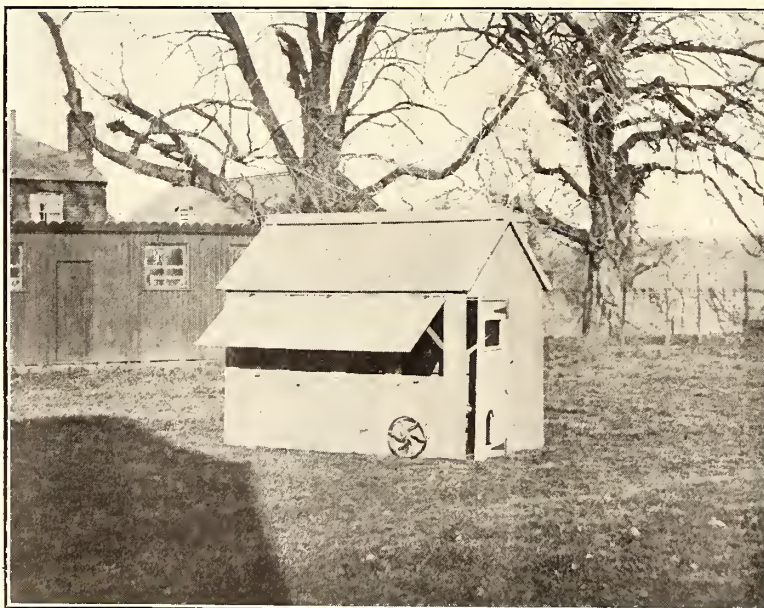


WE HAVE given special attention to the care of young chicks, artificially, as well as through the medium of the mother hen. The season is now at hand for growing what are termed in many localities the summer chick. Chicks hatched about the time of the small

grain harvest were known in our youth as the harvest broods or harvest chicks. These we are now pleased to term as the summer-grown chicks. Chicks that are hatched about the first of July usually grow quite rapidly, and make profitable market poultry, from the fact that where they grow adjacent to the harvest fields, there is usually a very liberal supply of waste grain, young green tendrils, and animal food in the shape of bugs, worms, and grasshoppers, which furnish an abundance of the living-food supply for the young chicks and turkeys.

Caring for these chicks is a more simple problem than the same number at other seasons of the year. It is only necessary to have them well hatched and then given over to the care of the mother hen, provided they are protected from insect vermin of all kinds, furnished a suitable range, and, when necessary, that the proper coops are supplied for the shelter of the hen and young chicks. When brooders take the place of the mother hen, it is best to use the outside brooder, providing suitable shelter to protect the young chicks from the rays of the sun. Another plan often followed is to supply the chicks with a large sheltered box, which may be placed near the edge of the grain fields, this box covered with tar paper or something similar as a protection from the inclement weather. This box can have an awning in the front over the doorway, this casting a shade within the box and serving as a shield from the sun during the hot weather. This style of shelter is illustrated in the chicken-rearing grounds on the College Poultry Farm, at Theale. When arrangements of this kind have been made, an additional food supply is given to the chicks.

All of this helps in their speedy growth, which brings them quickly to a remarkable size. The gleanings of the wheatfields, the rations of insect life and the feast of young, growing plants always has a quickening influence over the growth of all kinds of fowls. We have mentioned before in our columns the fact that the successful raising of summer chicks in the cornfield had gained particular attention. These were summer-grown chicks that had the advantage of a remarkably good range over which to secure the greater portion of their food.



ENGLISH PLAN FOR MOVABLE POULTRY HOUSE

The little chicks must at all times be provided with shelter from the direct rays of the sun, and be sufficiently well housed at night to protect them from rainstorms and changes of weather, but never so closely confined as to injure them by overcrowding. Nothing can be more injurious to a lot of young chicks than overcrowding at any time, and it is especially injurious through the warm summer months. We have known a flock of twenty-five or thirty half-grown chicks that were shut up inside of a large store box that had been provided for their living coop to be smothered

to death during a very warm night. While there were some cracks and crevices in the box, they did not furnish sufficient air and ventilation. This must be continually guarded against.

We have been favored with a photograph and a short description from Miss Jones, of Paris, N. Y., who states that the flock illustrated consisted of twenty-five chicks in this brood. When photographed some of them were scattered beneath their coop and in the runway. These are White Wyandottes. The entire flock was cared for by the one hen in the spacious coop that was raised from the ground to provide a shelter beneath for the hen and the chicks. These were successfully grown from start to finish, and continued to use the original brood coop, which was of good size, until the winter. Thousands of the best exhibition fowls and the most valuable market poultry are grown throughout the country in this way.

Another successful handler in the open is Mr. Canaday, of Taylors Falls, Minn. He furnishes us with a photograph of one of his best Plymouth Rock hens caring for a brood of her own chicks, she having the advantage of a most perfect range over which she could travel undisturbed with her growing flock. These two illustrations come from the colder climates of the country. Northern New York and Minnesota rank among the coldest portions of the country. Notwithstanding all this, they are among the most prolific producing sections.

After the chicks have been grown to the proper size for weaning, they are too frequently neglected. Gaining good proportionate size in flocks of this kind depends almost entirely upon the vigilance and attention of those who have them in charge. A plentiful food supply at all times is an absolute necessity. When the weather is excessively hot, bugs and worms that delve in the ground go far below the surface seeking moisture. When the conditions are reverse, there is usually a sufficiency of this kind of food, unless the rains are so heavy as to drive them to shelter and prevent their moving about. Either of these conditions largely diminishes the food supply. At





CHICKEN REARING GROUNDS, COLLEGE POULTRY FARM, THEALE

these times more food must be provided and more attention given to the water supply. The medium or milder summer weather provides the greatest natural food supply for birds and fowls. The light showers bring worms and bugs to the surface; the gentle zephyrs of the warm summer day carries the grasshoppers about more frequently. All animal life seems to prosper more under the south influences of a pleasant summer day than will they under the effects of burning sunshine or drowning rains.

Proper shelter, consisting of sheds, canvas, or nature's shade are absolute necessities for protection against both the scorching sun and frequent rains. For this reason we call attention to the indisputableness of proper shelter for both the brooder-raised and the hen-raised chick.

Following this, the most needed adjunct to poultry growing is a movable poultry house. This is best described through the illustration of the English movable poultry house. This house has wheels beneath, swung on a swivel that can be lowered or raised. When desirable to move to a new locality, it can be easily pushed along on these wheels when raised a little from the ground. The protection in front is of sufficient height to break the wind and shelter the growing stock roosting therein. The slanting roof shed, that extends beyond the opening, protects from rain and snow and wind as well. This coop can be used as a home for several mother hens and their broods when they first come from a nest. As soon as the mother weans and leaves them, the same building can be used in any locality or on any portion of the farm as a colony home for the several broods.

All of these illustrations show a remarkable amount of careful attention in preserving order in and about these poultry runs. This indicates perfect sanitary conditions and cleanliness, features of the greatest importance to growing fowls at all times, but almost an absolute necessity even for partial success during the hot summer months.

During the heated term but little corn should be fed. The greater portion of the diet should be wheat; wheat alone would do remarkably well, providing the range is rich with a natural food supply. Where their entire food supply must be furnished, one-half wheat, one-fourth hulled oats, and one-fourth cracked corn makes a good grain diet, which can be improved through the use of some beef scrap and more or less green food. Upon the range, where there is plenty of natural insect life to furnish the animal food, and a plentiful growth of green stuff, nothing is more beneficial as a grain food than a mixture of wheat and hulled oats, equal parts of each.

In connection with this it might be well to quote from the writing of Mr. C. B. Taylor, of

England, in *The Feathered World*, who gives his opinion as to why chicks die in the shell. There is always more or less complaint of this. There does not seem to have been any more or any less this season than before. Still, we imagine that our readers will be more than pleased to have us quote the following:

"What a large quantity of chicks die in their shells every hatching season! They die in all stages of incubation, whether the eggs are set in the incubator or under the hen. If all the trouble was due to one cause, it could easily be remedied, but it is, alas! often due to several causes. First, we should look at the condition of the stock birds which produce the eggs, some of which are in poor condition, or in too close confinement, too old, or in many cases are over fat. These will seldom yield eggs which are strongly fertilized and capable of producing strong and vigorous chicks.

"We hear little about chicks dying in their shells when eggs are set under hens, for the loss is very small in these cases, but we put the trouble down as 'shells too soft,' 'bad sitters,' etc. The egg is the starting point of the chick, therefore it must be fertilized, and contain all the elements necessary to produce a chick. Overheating at the commencement is often a cause of weakly chicks, which seldom break the shell when due to hatch. In using the incubator, we must try to follow nature as much as possible.



MOTHER HEN AND HER BROOD

"The broody hen does not begin with feverish impatience to get the eggs up to a temperature of 104 degrees the first day she sits on them, for she has instinct to know that in due time the temperature will rise to the desired degree. This shows us that we can allow a day or so for the temperature to rise within the egg-chamber until it is at its proper degree. Keep the temperature regular during the whole time of hatching by use of a reliable thermometer. Many chicks die from no other cause than the enveloping membrane becoming toughened, caused by insufficient cooling through hatching. The eggs should be cooled for a long time each day, the time allowed depending on the temperature of the place in which they are aired. This cooling supplies the embryo chicks within the shell with oxygen; also alternate heating and cooling the eggs has the effect of making the shells brittle, and prevents to a certain degree the membrane becoming so tough.

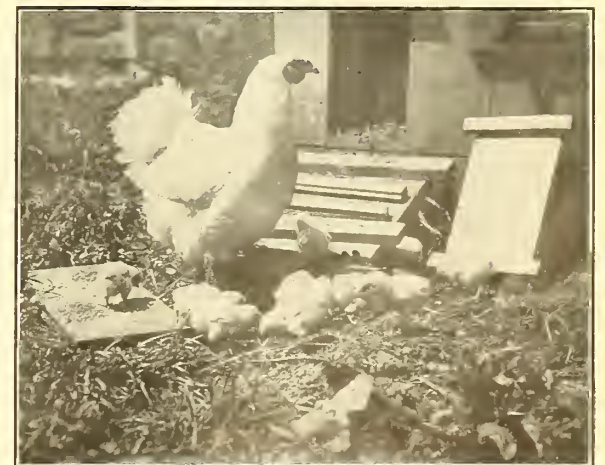
"Another cause why chicks die in the shell is because there is often too much moisture, or too little, some declaring that too much moisture is the main cause. No incubator will hatch well when the temperature is constantly varying from 95 degrees to 105 degrees. No one can tell another why his chicks die in the shell unless he knows the exact manner in which they have been incubated, and also the sur-

rounding conditions. Many incubators are set in small bedrooms, some in closets, others in dark cellars, many of which are draughty and damp. To sum up, chicks dying in the shell is due to one or several of these causes: Unsteady heat, too little or too much ventilation and moisture, variation of heat in the egg chamber, and faults in the egg or in the incubator."

In connection with this, there is more or less trouble connected with growing chicks in warm weather. Much has been written relative to summer diseases of poultry. One of the most attractive, recently published, was written by Utility and Son, and published in the *Feathered World*. We copy this so that our readers may have both sides of the question for consideration.

They say: "We have found the following measures, if thoroughly carried out, prevent the spreading of gapes. Assuming that the chickens have gapes, have them put into a box and well smoked with strong tobacco until they have expectorated the thread-like worms, or have them placed in a box with air-slaked lime on the bottom, which is then shaken until they have breathed the lime dust, which causes them to cough up the gape worms, or they may be removed from the birds' windpipes by dipping a feather in eucalyptus oil and gently pushing it down and drawing it up—if carefully done several worms will be found adhering to the feather. The latter operation is often fraught with danger; the first two are recommended. Now comes the question of how to prevent this disease spreading. Probably there are dozens, even hundreds, of chickens in close proximity to the ones that have been troubled with gapes, they are apparently quite free from the disease, yet if left alone and preventive measures are not resorted to, it is nine chances to one that they in turn will also have gapes. Now, it is an accepted fact that the drinking water is one of the principal sources of the disease spreading, and to an intelligent mind the reason is not far to seek, considering that the eggs of the gape worm require moisture in order to hatch. Therefore, moist ground or water is generally the place where the eggs are the most plentiful.

Many powders are prepared for adding to the drinking water to destroy the worms, their eggs, or embryo; but assuming that the fancier has not any of these excellent remedies by him, he must resort to immediate measures. Therefore, either a piece of camphor, the size of a pea, just dropped into a pint of the chicks' drinking water, or three drachms of salicylate of soda to every quart of the chickens' drinking water, will



WHITE WYANDOTTE HEN AND CHICKS, OWNED BY MISS J. C. JONES, PARIS, N. Y.

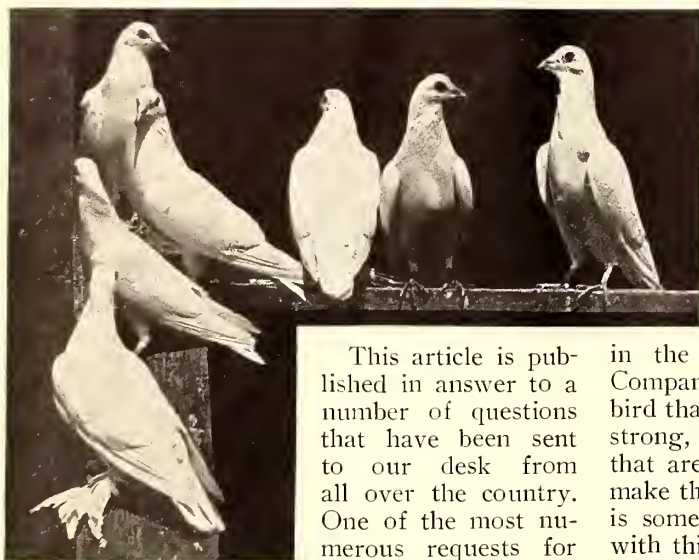


effectually destroy the eggs and embryo of the gape worm. We know many other ways, but as these are the safest and quite as effective as any, we shall not give the others. The salicylate of soda is also an excellent remedy for chicks and old fowls with cramp, etc. Where possible, removal to absolutely fresh ground is the best when gapes have once broken out, but where this is not possible the disease can be checked by following out the above.

"Another matter that also requires attention is the trouble caused by red mites, lice, and ticks. A good powder to be well dusted over the chicks to kill the red mites and lice can be made of equal parts of pyrethrum powder and flowers of sulphur, also the sulphur can be mixed with dry ashes or sand and placed in a box for the chicks to have a dust bath in. For ticks the powder is useless; use an oil composed of pyrethrum powder and sweet oil, or even carbolized vase-

line. A very little should be well rubbed into the fluff, under the chick's wings, and at the back of the neck. We say very little, as it is not advisable that too much be put on, for the other chicks may pick it off and eat it. If this is thoroughly carried out, the ticks will soon start singing "Driven from home," and will not trouble the chicks again after the second application; indeed, we have often found one application of the ointment quite sufficient."

## Successful Squab Growing



This article is published in answer to a number of questions that have been sent to our desk from all over the country. One of the most numerous requests for information asks why

the advice is always given to grow squabs in a confined loft, which has an enclosed aviary to protect them. The best answer we can give to this appeared recently on the cover page of Feathered World, England. This picture is called The Pot-hunter's Work, and shows the wounded Homer hen that has been shot while flying about, but which has been able to return to the very edge of its nest and expire over the eggs that it should be hatching. We know of no plan to prevent those so inclined from shooting the birds and pigeons that fly about. While to the owner the destruction of the pigeon is heart-breaking, when gained in this way, the bird makes just as good eating for the pot-hunter as it would if it belonged to him, and was one of his own squabs from the nest. If it were possible to prevent any one from killing the pigeons as they fly about, the best squabs grown would be those that were fed by the parent pigeons that had their full liberty.

We are told that in California, in the center of one of the largest ranches, there are thousands of pigeons grown in liberty. Wagon-loads of grain are dumped on the ground under shelter for them to feed upon. Their whole water supply is gained from a nearby pool of water, provided for the purpose. Here these pigeons have perfect liberty to go and come and feed as they please, and we have been informed that more squabs, and better, are grown here than in any other place on the Pacific coast. Whether this be true or not, we know from our own experience that where pigeons can fly about at will they produce stronger, better, and more vigorous young than can be produced in any other way, but the danger is so great that we would not ad-

vised any of our readers who dwell where their pigeons might be killed to give them their liberty. Those who grow Homers for flying must train them, but even they do not permit the parent bird to fly at large to any extent during the breeding season.

"What kind of Homer would you suggest as the best from which to grow squabs?" is another oft-repeated question. This may also be answered with an illustration. The male represented in the photograph from the Passaic Squab Company is a splendid example of the kind of bird that may be used for squab growing. Long, strong, heavy-built, well-proportioned specimens, that are broad at shoulder and short of limb, make the ideal squab producers. However, there is something of equal importance in connection with this, and that is the perfect health and full development of the parent birds.

Hundreds and hundreds of squab breeders that have proven unsatisfactory have been sold throughout the country. Several causes may be given for this. First of all the most prevalent one is selling non-mated pairs for breeders. The successful long-time pigeon fancier can scarcely tell the males from the females in young pigeons of any kind. This being the case, how would it be possible for the amateur to succeed in this? Next in order, dire disease, such as canker and going light, may be present in the breeding stock; if so, success can not come as the result of using such specimens. You must have a strong, healthy, well-developed Homer, well-matured, of good size, and properly mated to succeed. In addition, you must have good lofts and accommodations for your birds.

There are many who have been more than successful in squab growing, among these one plant located in New Hampshire, of which we hope to tell in the near future. Another, the Preston Farm, of Morton, Pa., under the management of Mr. Henry M. Preston, has made great headway in the growing of heavyweight squabs. This farm reports the sale of \$4,000 worth in one season. They have issued a beautiful catalogue, descriptive of their plant. Two of the illustrations used in this article was loaned us by these people. The one, the corner-piece at the top of the article; the other, the tail-piece at the finish. From this farm is shipped what is known as the heavyweight squabs. It is their intent to have these squabs weigh a pound apiece at killing time—four weeks of age. They state that it costs quite as much in food to rear the 7-pound per dozen squabs as it does the 9-pound squabs, and in addition to this, the expense of

growing heavier weights is not of much consideration when we know that the squabs that average a pound apiece sell readily at an average of \$4 or more per dozen.

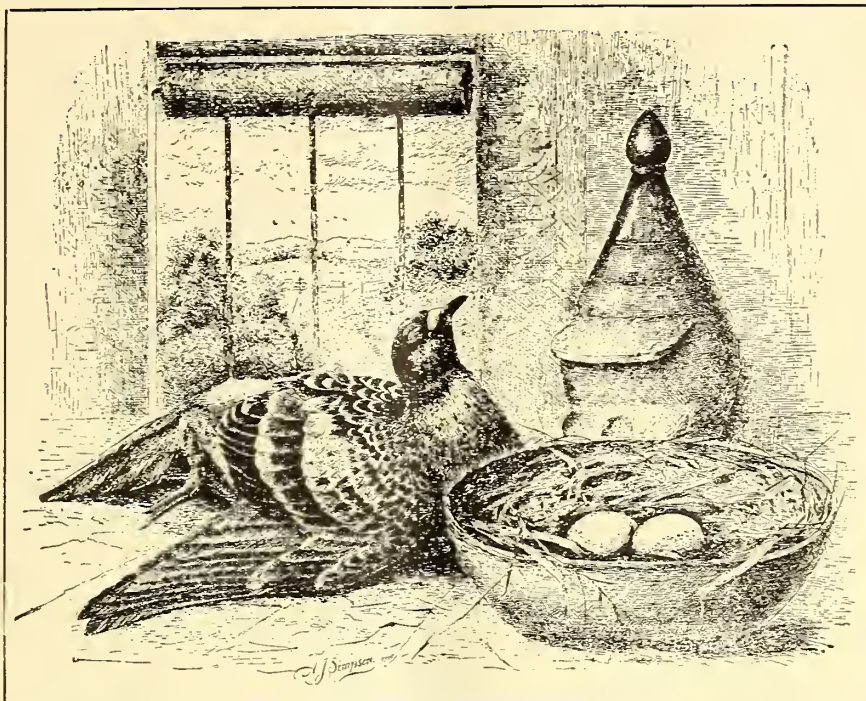
We have oftentimes cautioned our readers against hasty, excessive expenditure in the squab business. One must absolutely have experience to succeed with growing squabs for market at a profit. The only means of gaining this experience comes either through having served an apprenticeship at a successful plant, or by earnest work in your own home lofts in the attempt to grow the squabs. That there has been, can be, and will be profit made in squab-raising can not be denied. They money that is lost is too often the result of rushing blindly into a venture that the one who invests does not understand. We have an article from one Mr. S. J. Milliken, of Winter Hall, Boston, who tells the truth, we imagine, as the result of his own experience. We copy this for the benefit of our readers and to show our desire to give all information possible on the squab-growing business:

"The boom of the squab-raising industry seems of late to have somewhat subsided. I believe it is better for the interests of all that it should be so. It is a peculiarity of our dear American public to run after the latest fad, especially if it promises financial returns. I am very sure that many who attempted to make 'quick returns' in squab raising got an exceedingly good run for their money.

"As one goes through the country and observes the abandoned squab houses, it only serves as a reminder that a large number of people were in too great haste to get rich. I have in mind now a set of buildings fitted up in the most approved manner, even to a steam-heating plant, with large, roomy lofts and exceedingly ample flies, upon which the owner expended \$3,000. After running in debt at the end of a year, he sold his birds at a song, and the splendid buildings are standing idle.

"Similar illustrations could be given from failures in poultry raising and many other things. I speak of them only as a word of warning to go slow. Had that man been willing to begin with a few pairs of birds, he could have gained his experience at a saving of just about four thousand dollars. I wish to say right here to any one who has the squab fever, buy five pairs of good Homers a year old, and be sure you know that you are getting mated pairs. Now open an account with that lot of birds. Enter every cent you expend for them. Credit every cent you receive. Do this carefully for one year. If you don't feel quite satisfied, continue it another year. At the end of that time you will have learned more than any one can tell you in a week. You won't then





THE POT-HUNTER'S WORK

be writing to editors of poultry papers telling them that you are thinking of going into the business, and wish their advice. You will have learned for yourself just how much you can make or lose in the business. And you can do it just as well on five pairs as five hundred.

"In some sections the prices obtained for squabs are considerably higher than other, while there is a corresponding difference in the price of grain. Let me say that the 'big money in squabs,' which so alluringly confronts you in the advertisements, is all in the eye of the advertiser. You won't even see any of it. Confidentially, there are very few things in this world in which the average man enters, that return 'big money.' Please dismiss this idea from your mind along with the superstitions of the past. But, in any event, squab raising isn't in the class. Now for a practical illustration. I know a man twenty-five miles from Boston who is a careful, painstaking breeder. He has been in the business long enough to know it. He has good buildings, equipment, etc., and sells his squabs to a commission man, who takes his entire product. From a thousand pairs of Homers he is realizing an average profit of \$10 a week through the year, with some spare time for other work. His investment in building and breeding stock is about two thousand dollars. I have known also of men with much less stock to have made more in proportion. But the successes are few, the failures are many. Therefore, I say again, Go slow. The Squab Bulletin is at liberty to copy."

The main point of the above account is a photographic impression of the hasty investment of a large sum of money in a proposition not thoroughly understood. In the early day of the chicken broiler and the duck-growing fever, thousands rushed in, enticed by the hope of quick returns at large profits. One would scarcely expect such returns from merchandizing, banking, farming, or any other venture. Equal judgment should be displayed in an investment of poultry, water-fowl, or squabs that would be shown in the establishment of a grocery store or a hardware business. If it is not considered as a business proposition, and carefully guarded for expenditure, expense, and profit, there will be no success.

Another feature that seems to attract more than passing comment is the loud-sounding com-

plaints made against the sellers of pigeons for growing squabs. If there is any one engaged in furnishing breeders for squab lofts that does not do a fair, honest business, they should be neither countenanced nor encouraged in their line of trade. At the same time, equal consideration should be given to the vender of squabs as is extended to the dealers in fish, butter, eggs, and poultry products. If a man purchases poultry of any kind and it does not arrive at hand as described, the purchaser has cause for complaint. The same is true in the squab business, but the vender of poultry or squab breeders can not furnish experience along with the sale. The experience must be the stock in trade of those who expect to embark in the business. Do not imagine for a moment that any one without experience can purchase squab-breeders and embark in the business and have it prove a successful and profitable venture. As often stated, there is money to be made in the poultry business; there is money to be made in the duck business; there is money to be made in the squab-growing

business; in all instances the profit will be gained by those who have had experience, who understand the business, are cautious, careful, economical, and industrious in caring for the stock.

All of the above requisites are absolute necessities for a successful outcome of the attempt to grow squabs for market. As we have often stated, we have seen in the New York markets and elsewhere squabs retailing at 10 cents apiece in the stalls, and every pair sell at this price, while right alongside of this indifferent lot were beautiful, plump, attractive squabs that retailed at from 35 to 50 cents each. There is never a sufficient number of the best quality; the poorer quality is always a drag on the market. Those who lack experience usually furnish the poorer kinds; those who have the experience and the other requisites for success are the fortunate ones and make money from the business.

Something over eight years ago, we published in our columns an article from the pen of A. A. Goodall, of England. This article told of European squab growers. There has been published in Pigeons and Poultry, of England, an article from the pen of the same writer, which we copy for the benefit of our readers. This article tells the possibilities of growing heavyweight squabs from the French Mondaines, and is worthy the careful consideration of our readers.

"That considerable interest is being taken in breeding pigeons for the table, is evident from the fact that an increasing number of private individuals are giving their attention to the pursuit. This is amply proved by the constant inquiries that come to hand for birds of suitable description—that is, those combining first-rate market qualities with a high degree of reproductiveness.

"From time to time one sees recommended in the various Fancy journals such breeds as Antwerps, Runts, Dragoons, and other similar pigeons, either pure or crossed. Now, without wishing to detract from many pleasing attributes of these varieties, as fanciers' birds, one may reasonably question the fitness of any of them for the purposes of the utility breeder. The former are, despite their big frame, far too slow and clumsy, while the wattle and cere of the Dragoon in birds of coarse type, especially, are features that do not commend themselves to the man in search of a clean, wholesome-looking table pigeon. True, the Dragoon has been employed in



THE PASSAIC SQUAB CO PASSAIC N.J.



America for crossing purposes, and in some instances with no small degree of success, where market qualities were sought. But for all that, it is highly doubtful whether it will ever become popular among utility breeders for the reason above stated.

"As for the Runt, as it is known in this country, there is, likewise, small probability of that breed coming into prominence in a market pigeon, and certainly practical men will leave it severely alone. Not only is it of a quarrelsome nature—a sufficient detriment in itself—but, as already stated, it is an awkward and clumsy bird and a poor breeder at best. We, in this country, have not studied the utility aspect of pigeon culture as have our friends on the other side of the Atlantic. There the Homer is the prime favorite, and seems likely to remain so among the most successful pigeon farmers.

"In this connection it may be advisable to warn beginners against inflated accounts of the doings of many of the much-advertised establishments 'over the water,' whose principal source of profit is the sale of stock birds at enhanced prices. The writer has known of cases where bitter disappointment has re-

sulted from the stock glowingly described as 'double-mated,' whatever that may mean. Indeed, in many instances, the hens of such stock have so far forgotten their maternal duties as to abstain from egg production for months at a time. Obviously, it would be unfair to class every squab farm under this category, for there are many reputable establishments doing a genuine profit-earning business, and conducted on sound lines.

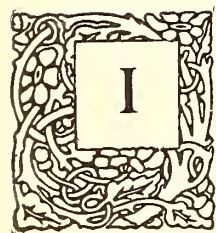
"To achieve success, however, with table pigeons, requires no small amount of skill and patience, far more than is possessed by the average beginner, who is apt to think the merest smattering of knowledge sufficient. A greater mistake was never made. Utility pigeons, though naturally coarser and more hardy than the fancy varieties, differ very little from these in their needs and requirements. They must have healthy, comfortable surroundings, be well fed on good, nourishing food, and be kept scrupulously clean. Slipshod methods will not answer, and neglect in any shape

or form will inevitably end in failure. With care and intelligent management, the breeding of such birds can be made a source of both pleasure and profit. As to the most suitable kinds for English breeders, who insist on having large, meaty squeakers, there is none better than the French Mondain, or, as it is often erroneously called, the Bordeaux. It is a big bodied, yet extremely active pigeon, being also very hardy and a quick grower. In the land of its origin, the breed is well recognized, and though varying considerably in color and markings, its individuals preserve a type quite distinct from other Runtish pigeons. Mondains, like the larger representatives of other races of domesticated stock, possess the pleasing feature of being wonderfully

docile, a trait that commends them as breeders of table youngsters. These latter often scale well over a pound at four weeks of age, and are generally fit to kill then without artificial feeding. A long experience of fancy and other pigeons has convinced the writer that Mondains are second to none as breeders. They average a nest each month, and will continue operations during the winter if their owner be ill-advised enough to permit it."



## The Production of Color



IT SEEMS to be the general opinion that solid colored fowls are the most readily produced with truest color. One has only to consider the difficult problem of producing true buff color to change his opinion somewhat. Many poultrymen do not imagine that white is quite as difficult to produce in poultry, turkeys, water-fowl, or pigeons as any other color.

Study, for instance, the entire exhibit of buff, black, and white fowls in the largest poultry shows. We hear on the one hand that this or that shade of buff is too light, too dark, or that it is mixed with foreign color, that the black carries purple or may be edged or ticked with white, while the white varieties are full of yellow, or ticked with black, or smoky in under-color.

No variety has suffered so much at the hands of the judge as the White Wyandotte in being discounted for color. For some perhaps unexplainable reason, there is more of a foreign color in the plumage of the White Wyandottes than of the White Plymouth Rocks. Whether this is true or not, the fact exists that there is but one way to produce true white, true black, or true buff in the plumage of any kind of fowl.

We thought that we had fully explained this in our September issue under "Science of Breeding"

relative to color. Several communications have come to us since then requesting more information along these lines, in reply to which we published an article in the November issue on "Breeds," in which we have attempted to lay down more definitely rules for producing proper color in white plumaged fowls.

White plumaged fowls can not be produced of the best quality from specimens that have a creamy tint in surface or under-color, nor will specimens that have yellow shafting in their plumage prove producers of fowls of a chalky white shade to the skin. Fowls that carry a smutty color in their under-plumage are more likely to produce pure-white offspring than those tinged with yellow.

The only way to get true colored plumage in any fowl is to use as the producing stock only those most perfect in color. If white, they must be chalky white in plumage to the skin, including the shaft of the feathers. Buffs must be of a perfectly true golden shade on the surface, carrying underneath a tint of the same, only shading to a lighter color. The shaft of every feather in a buff fowl should be of about the same shade as the surface plumage. In blacks we should have true, rich, glossy black of the surface color, the under-color as dark as possible to the skin, the shaft a bright, glistening black, with shanks and beaks as dark as is permissible according to the Standard. By the use of such specimens only can one hope to succeed.

Almost perfect color will not answer. Better rear all your exhibition specimens from one pair of the highest quality than to attempt to hope to produce good ones from specimens that are but slightly inferior in quality. Producers of the most perfect breed characteristic and color qualities are the kind to depend upon in the production of exhibition fowls.

Those having large numbers of culls to dispose of have proven conclusively, through the results obtained in their yards, that their stock is not of that quality that can be absolutely depended upon to reproduce of the best. Where the fewest culls are found is the most desirable spot from which to obtain specimens for breeding purposes. In selecting exhibition fowls, select each one for his individual qualities. In selecting fowls for breeding purposes, secure them from the flock which produces the greatest per cent. of the best quality and the lowest possible per cent. of culls.

A flock of white fowls which produce a large per cent. of truly white specimens prove their ability to produce color. A flock which produces the largest number true to breed characteristics have proven their breeding. This same rule applies to every variety and every color of fowls. Do not imagine that the breeding of type and color comes by accident or from chance matings. This can only come from the best selected flocks, chosen from known producers.



## Science of Breeding

By T. F. McGREW

### Single and Double Mating



THE following paragraph appears in a letter received from an enthusiastic fancier in Maryland:

"Can you say what you think in regard to double matings? It seems to me this practise does great harm to certain breeds. How can a variety prosper in which two distinct strains must be kept separate in order to be able to produce standard chicks of both sexes? How can

Usually when the double-mating proposition is considered, it is at once concluded that the Barred Plymouth Rock is the variety under consideration. There always seems to be a good reason for everything that is well done, and also for partial success or a complete failure.

In this instance double mating has been used to produce the colors of the male and female demanded by the Standard.

The writer is strongly of the opinion that the original American Dominique



BUFF PLYMOUTH ROCK

a variety such as this be called a variety? It seems nearer being two varieties. Is the Standard wrong? Of course, in many breeds these matings are unnecessary, though they are used, but in some it is absolutely impossible to match together standard breeds and get standard chicks in either sex.

"Of course this has been hashed over before, but some day we will have a new Standard, and it seems that even now it is not too early to poke the embers that we may have a light. Probably but few fanciers realize the great number of people who have been driven from the fancy at the start simply through the evils of double matings."

We have great respect for the poultryman who sent us this communication.

was created as the result of crosses made with the Dutch Hamburg, when brought to this country, and the White Dorkings. These Dutch fowls were the Penciled Hamburgs; these crossed or bred with the Rose-combed White Dorking, we imagine, produced the American Dominique.

Our reason for believing this grows out of the fact that early illustrations of the American Dominique had the identical shape and general make-up as the pictures of the White Dorking. This was true even to the shape of the head, comb, poise of the wing and tail. The tail formation throughout was exactly the same in these two fowls.

Presuming this to be true, the make-up of the Dominique was largely composed of blood leaning toward a light-colored

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12-10

### Everything for the Baby

Complete Wardrobe Outfits \$5 to \$50  
Long Dresses.....24c to \$2.75  
Short Dresses.....30c to \$2.75

Set of 30 patterns for baby's first dresses with full directions for making "Nurse's Confidential Talk to Mothers," and my new illustrated catalogue of everything for the baby, for 25c, stamps or coin.

Mrs. Mary Potter Fayetteville, N. Y.

12-12

Buffintons will sell eggs from Buff and Partridge Plymouth Rocks, Buff and Columbian Wyandottes, Buff Leghorns, Rose and Single Comb Buff and White Orpingtons, \$1 for 15.  
**ROWLAND G. BUFFINTON**  
Somerset, Mass. 11

### R. C. Buff Orpington

THIS YEAR'S BREEDERS

Forty hens and pullets, three males. In this lot is included the birds I won with at Madison Square Garden, Dover, and Trenton Fairs. Let me send you something nice. Something you will be proud of.

J. W. ANDREWS  
Lock Box 687 Dover, N. J. 13-5

### Partridge Plymouth Rocks

#### Genesees' White Muscovy and Mallard Ducks.

EGGS AND STOCK FOR SALE  
WRITE FOR CIRCULAR

### HENRY OEMISCH

Breeder of Fancy Poultry

Meadowcreek Pittsford, N. Y. 13-5

**One Man** MADE \$10,000 on HALF AN ACRE of ground, growing Ginseng. Another is making hundreds of dollars per year growing Mushrooms in an ordinary cellar. Others are making big money growing Golden Seal and other medicinal plants, of which the wild supply is fast becoming extinct and prices rapidly advancing. YOU CAN DO THE SAME. Our new monthly magazine, PROFITABLE HOME INDUSTRIES, tells you all about it; full details; letters from successful people. If you want to make money, write us to-day. Price \$1.00 per year, 3 months' trial 25 cents, sample copy, 10 cents. Address

PROFITABLE HOME INDUSTRIES  
Thompson Bldg., Scranton, Pa. 12-19

### EGGS HALF PRICE

From Best Buckeyes in the World  
From Now On Circular Free  
**MRS. FRANK METCALF**  
Red Feather Farm 11 Warren, Ohio

### NOW IS THE TIME

to buy your breeding stock, now need to select from. The best we ever bred. Barred White and Buff Rocks, White and Silver Wyandottes, Brown and White Leghorns, Large Bronze and White Turkeys, Big Toulouse Geese, Embden White and Brown China Geese, Large Pekin, Rouen, and Muscovy Ducks. Largest poultry farm in Ohio. Valuable catalogue, free stock Eggs for hatching from choicest pen matings. 43 firsts, 2 thirds 1 fourth, and 1 fifth prize won by our birds at the big Cleveland and Akron shows, January 8th to 12th, making the two exhibits at the same time and Gold Special for best display. **CHAS. MCCLAVE, Box 100, New London, Ohio.**

1-5

### HOUDANS THE FOWL OF DESTINY

Egg records 250 to 280 eggs a year. Twelve years' pedigreed stock. Healthy, large, vigorous birds—positively no crepe or Polish blood—matured birds weigh 7 to 9 pounds. June chicks mature before fall. Eggs, \$10 per 13. Seventy-five per cent. fertility guaranteed. Send for circular.

L. L. LUCAS

Oil City, Pa.

12-12

### EDGEWOOD FARM

GEORGE B. INCHES, Proprietor

SILVER GREY DORKINGS COLORED DORKINGS  
ROSE COMB BROWN LEGHORNS

NELSON VAUNDELL, Jr., Poultry Manager, North Grafton, Mass, U. S. A. 13-4



### IT IS THE BIG SQUABS THAT PAY

If you want big squabs, get the right kind of breeders, it is the breed not the feed that makes the **Heavy Squabs**. Write us for prices on the right kind. Send 10 cts. in stamps for our book, it tells you **How**. Prices reasonable.

**PRESTON PIGEON FARM**  
Morton, Pa.

11



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One time.....\$ .50  
Three times.....1.00  
Six times.....2.00  
One year.....8.50

## READ CAREFULLY

Copy may be changed as often as desired, though we advise running a standard ad when possible, in order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 1-3 cent each for each insertion when run three times or more. Figures count as single words.

## PLYMOUTH ROCKS

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as Silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Eltham, Ill. 13-3

Marburger's Barred Rocks Win at Lititz, the banner show of Pennsylvania. First and second pullet, second pen, third cockerel, fourth cock, fifth hen, Carlisle first cock, first cockerel, second and fifth pullet. Guaranteed eggs, \$3 per 15; \$5 per 30; stock reasonable. A. W. MARBURGER, Lock Box 26, Denver, Pa. 12-10

Buff Plymouth Rocks, Winners of the State Silver Cup at West Haven, and specials for best shape and color; gold special at N. Britain for best color cockerel; scores 94 points, winners at Herald Square, Providence, Stamford, Danbury. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

Barred Plymouth Rocks—Egg-laying Strain—Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

White Rocks (Hawkins), Barred (Bradley Bros. strain). Standard bred; stock for sale. Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Niede, Ephrata, Pa. 12-11

Barred Rocks and Single-combed Buff Orpingtons. Eggs, \$2 per 15, from first prize stock. A few good rock cockerels. J. H. WORLEY, Mercer, Pa. 13-5

Choice Barred P. Rocks, S. C. Black Minorcas, Houdans, and Homer Pigeons. Send stamp for circular. B. F. BRUBAKER, Mount Joy, Pa. 12-11

Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Riley's Barred Plymouth Rocks Are Champions, winning every first at the great Philadelphia Show. Get my mating list before buying. HENRY D. RILEY, Strafford, Pa. 13-6

E. E. Pryor, Specialty Breeder, Barred Rocks, Thompson strain, and Buff Cochins Bantams, high prize winners and breeders. Stock and eggs in season. Martinsville, Indiana. 12-12

Barred Plymouth Rocks. I Won at Morristown, N. J. Show first cock, first and second hen, second cockerel, second pullet, beating high-class blue ribbon winners of other shows. Stock and eggs. W. A. HELM, Chatham, N. J. 12-10

Woodside Farm Barred P. Rocks, as Good as grow; elegant barring; standard weight and over; both matings. Eggs, \$1.50 per 15; also Whites of best quality, same price. E. POLING, Keyport, N. J. 12-12

"The" 242-Egg Strain Winners! "American Hen" lays 65 eggs per year. (Government Rept.)—profit 10 cents. 1 offer settings at \$1.50 nad \$3 from hens making \$3 each, yearly profit. Golden Buff, pedigree-bred eight years. W. H. MERCER, 502 Twenty-fifth St., Detroit, Mich. 12-10

County Line Poultry Farm Breeds Barred Rocks and S. C. Buff Leghorns. Prize winning matings. Stock and eggs for sale. \$2 per 15. Route 10, Medina, N. Y. 12-11

Nopp's Barred Plymouth Rocks Are Alright. 13 eggs, \$1.50, or 26 eggs for \$2.50. Send for free circular. MR. AND MRS. N. F. NOPP, Browns Valley, Minn. 12-10

Tidd's Barred Plymouth Rocks; Bred from Prize winners at Scranton Show. Cockerels and hens for sale. Eggs, \$2 per 13. S. J. TIDD, Taylor, Pa. 13-1

Fishel White Rocks. Cockerels, \$2 to \$5. Extra fine ones, order quick. M. E. CUNNINGHAM, Ada, Ohio. 12-10

Partridge Rocks Exclusively. Eggs \$2 per 15. Satisfaction guaranteed. Infertile eggs replaced free. Express charges collect. REV. C. V. SEELHOFF, Laporte, Mich. 12-10

Barred Rocks; Fine Layers; Strong, Thrifty stock. Fertility guaranteed. Eggs for sale. NATIONAL JUNIOR REPUBLIC, Leslie W. Baker, Supt., Box 16, Annapolis Junction, Md. 12-10

High-class Barred Rocks; from Prize Stock. Eggs, \$2 a setting. THEODORE BOULTON, Morris Ave., Elizabeth, N. J. 12-10

Buff Rocks, Nuggets; Bred for Quality; All Clear buff. Eggs from choice matings, having free, grassy range. Males scoring from 92½ to 94½. And special attention given to orders and packing. Write me for prices. No stock for sale until fall. MRS. HARRY FARNHAM, Vermillion, Ill. 12-10

Exhibition Barred Plymouth Rocks; Line Bred; winners at leading shows for three years. Eggs, \$3, 15; \$5, 30 eggs. JAMES CREEGER, Route 8, Tiffin, Ohio. 12-10

White Plymouth Rocks; Bred for Exhibition and eggs; also prize winning Pekin Ducks. Eggs, \$2 per setting. HENRY SCHMITT, White City, Collinwood, Ohio. 12-10

Eggs! Eggs from Herner's White Rocks and S. C. White Leghorns; were winners for us at three different shows this season. Only birds of the highest quality are contained in our breeding pens. Eggs—\$1.50 for 15; \$6 for 100. HERNER BROS., Newton Falls, Ohio. 12-10

Bred to Lay Barred Rock Eggs, \$2 per 15. Indiana Runner Duck eggs, \$1.25 per 11. MRS. ANDREW BROOKS, Auburn, N. Y., Route 6. 12-10

Eggs, Eggs! From Our Prize-winning, Heavy laying Barred Plymouth Rocks, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 12-11

Bradley Bros.' Barred Rocks. My Breeders Also Lititz and Carlisle winners, for sale. \$10 pens, \$7; \$15 pens, \$10; \$20 pens, \$15. A. W. MARBURGER, Denver, Pa. Lock Box 26. 12-12

Barred Rocks, Bradley's and Latham's Strain. My birds won again at the Great Pittsburg Show, 1907, the silver cup valued at \$50. I raised every one of my winners. Send for my new catalogue. I will sell eggs from now on at greatly reduced prices. You can not afford to miss this chance. Write soon. I will guarantee safe delivery of eggs. HARVEY L. FIFE, Meyersdale, Pa. 12-10

26 Eggs, \$1; \$3.50 per 100. Thompson's Ringlet strain of pure-bred Barred Plymouth Rocks. Write for circular. FRANK MOORE, Madison, Ind. 12-10

Great Sale!! For the Next Thirty Days I Must sell my 300 breeders to make room for my young stock that is coming on, consisting of B. P. Rocks, Wht. Orpingtons and Wht. Wyandottes. Eggs the rest of season, \$1.50 to \$5 per 15; \$6 per 100. Don't hesitate, write quick if you want something that will do you good. Send for circular. JONAS HAYNER, Mgr., Livingston, Columbia Co., N. Y. 12-10

Buff Rocks, Eggs, Half Price After May 1st, from second prize cock, Madison Square, 1907, which is \$2.50 per 15. Also my breeders for sale after May 1st. Bargains. F. H. RICKETTS, Coshocton, Ohio. 12-10

Eggs. Royal Blues, Barred Plymouth Rocks, \$1 per setting; \$3 per 50; \$5 per 100. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 12-10

Super-penciled Plymouth Rocks. Choice Stock, excellent layers, fine pencilling. Large Wittman cockerel in breeding pen. Eggs, \$2 per 15. G. H. TUBBESING, Red Wing, Minn. 12-10

Must Sell Five Pens of "Fishel" Strain White Plymouth Rocks. Elegant birds. Good breeders, good layers, well bred. Four hens and cock in each pen. Prices, \$10, \$12, and \$15 per pen, if taken soon. Will cost much more later. Satisfaction guaranteed. Write. COOLSPRING POULTRY YARDS, Plummer B. McCullough, proprietor. Route No. 2, Box H. Mercer, Pa. 12-11

White and Barred Plymouth Rocks, Black Langshans. Best strains eggs and stock for sale at all times. We are among the largest breeders in the East. PINE HILL FARM, Canaan, N. H. 13-2

Buff Rocks, Nugget Strain, Eggs From Extra large, heavy winter layers, golden buff color. \$1 per 13, guarantee eight chicks. ARTHUR TAYLOR, Washington, N. J. 12-11

Buy "Masterpiece" Barred Rocks. They Satisfy. Get in on these phenomenal birds before "even the dullest has seen." OTTO BROTHERS, Box 779 A., Rochester, N. Y. 12-11

plumage. Whether it is true or not, the facts do exist that the Dominique, in a majority of cases, was fully as light in plumage color as the males of the female line of Plymouth Rocks.

This light plumaged fowl was crossed with a solid black fowl. The result of this cross gave the foundation for the Plymouth Rock. Nature seems to have willed that with this variety the males must naturally come with plumage of a much lighter color than would the females from the same pair. This being the case throughout all the strains of Barred Plymouth Rocks of the early day, there was an inclination to continue in these natural shades of color.

The Standard called for the same shade of color for exhibition male and female. These were produced of fairly good color from what was known as the single-mating process. Later on some individual fanciers learned through experience that by using double matings better specimens for the exhibition hall could be produced. It was the Standard that compelled the double-mating system to be practised, which came as a result of experience.

As soon as the fact was established that these more beautifully colored specimens could be produced in this way, every fancier interested in the variety became engaged in an attempt to outdo the rest. Thus the practise of producing the exhibition specimens was established in this way. As long as the Standard requirements for color and markings are complied with in the show room, no one should find fault with the description in the Standard.

About the same condition in one way or another exist among all breeds and varieties where the double-mating system is practised. The Standard description is not at fault in this; the fault, if any, lies in the breeders themselves, who make use of the double-mating system because it will produce more beautiful specimens than can be produced through any other plan. It can scarcely be possible, considering the question in this way, that our correspondent would ask the Standard makers to change the Standard to meet a condition. If we want Barred Plymouth Rocks of a certain color, the Standard can not command the method to be used in producing them. Many years ago Partridge Cochins produced females with clay-colored breasts. Would any one have us turn back to the old plan of matings, and produce them again? Would anybody be willing to accept less beautiful specimens of any kind and return to poorer quality?

The greatest annoyance resulting from the double-mating system is the fact that inexperienced breeders purchase a pen of exhibition specimens and are disappointed that they do not produce offspring like themselves. This, of course, is harassing, but the same troubles arise in every kind of live-stock breeding. Scarcely, if ever, can you pair together two exhibition specimens of any kind and produce from these their superior, or even their equal. Nothing but experience, coupled with judgment, by care and attention will produce exhibition quality in any living thing.

We must admit having a strong preference toward single mating, providing equal quality can be produced in this way that is produced by the other method, but as long as no one is able to produce quality equal to the best by the single mating, why should any one desire to have a law made that would compel dis-

continuing that which brings the most satisfactory results? If any of those opposed to the double-mating system will present a plan that will overcome the difficulties of this system and produce good quality, the whole poultry fraternity would welcome such a proposition gladly; but until some one is able to present a better plan it would scarcely be right to pull down the bulwarks already established.

Some of the scientific men of the Smithsonian Institute told us that the trouble with the poultry fanciers was that they were not content with nature's possibilities, but that they were determined to create plumage that nature's laws had never intended should be produced. The regularity in breeding the bright-plumaged red male bird, in comparison with the somber-colored female was cited as an instance. The speaker said that he presumed if the poultry fanciers ever took up the breeding of red birds, that both the male and the female would sooner or later be clothed, both in the light plumage.

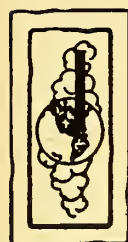
While this seems a peculiar expression, it illustrates the point quite well, for the American fancier was not content with the light-colored plumage of the male in comparison with the dark-colored plumage of the female, so they proceeded to produce them both clothed with the same color of plumage. This having been accomplished, some one must work out a better method before the present one is swept aside.

Another correspondent from Wyoming takes up the question of pure white plumage upon specimens having yellow beak, shanks, and skin. This in answer to our article in which we stated that where the matings were selected for the whiteness of plumage and quill thereof, the tendency would be to destroy the rich-colored shank, beak, and skin. This writer goes on to state that the best specimens of the White Plymouth Rocks and White Wyandottes that he has ever seen lacked in the color of eye, as well as shank and beak. There is a tendency toward the yellowish-colored eye in all fowls that are cultivated almost exclusively for shape and color of plumage. It is almost impossible to produce a fowl having pure white plumage to the skin that will have golden yellow shanks and beaks and the rich, red eye. The loss of the pigments in the system detracts from all these, and weakens the colors that are influenced by white. The writer states that one of the most beautiful white specimens ever shown in his locality was cut three points by the judge for the weak color of eye. Another judge, more lenient, cut but one for this weakness of eyes. One judge maintained that the yellowish colored eyes were proper for the white plumaged fowl; but the Standard does not say this. The Standard demands white plumage, yellow shanks and beaks, and red eyes for both the White Plymouth Rocks and the White Wyandottes. In the article recently published on "Head Points and Eyes," we dwelt at length on this subject, but we failed therein to touch upon the weakness of eyes so prevalent in many of the present-day varieties. If the breeders and judges alike will continue to countenance the presence of weak-colored eyes and pale-colored shanks, where the former should be bright red and the latter golden yellow, ere long we will have a race of white poultry with pearl-colored eyes and weak-colored shanks.





## The Java Fowl



**Q**Uestioned on the subject, the average poultry fancier would look with surprise if told that the Java fowl was even considered as a proposition in poultry, yet within a short period of time we read the statement that Java fowls stand at the head for utility and beauty. We remember the picture made by Mr. Ergman, of Philadelphia, some twenty-five years ago, representing the Mottled Java. This illustration might have been taken for a cartoon or a laughable presentation of a fowl, yet at the present time that same illustration is made use of to illustrate circulars and catalogues by some of the oldest fanciers, who have fostered and bred these for more than a quarter of a century.

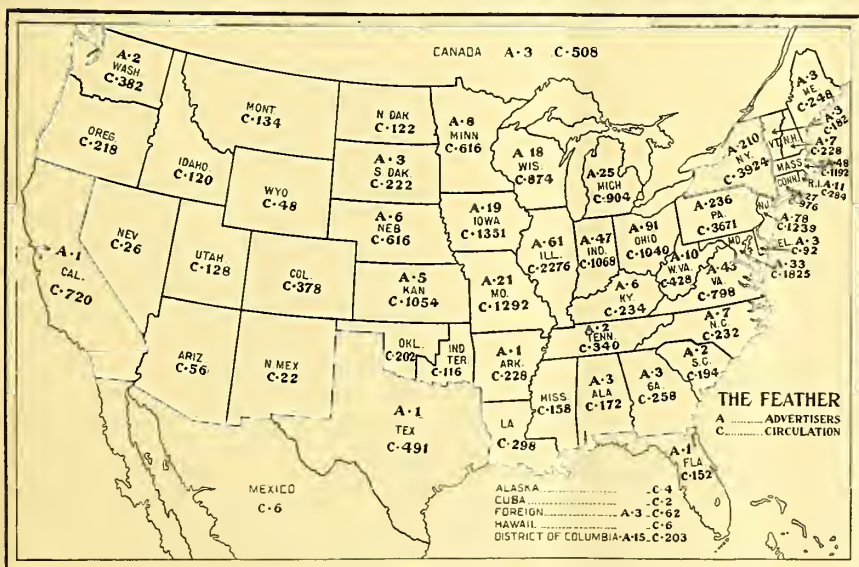
Some time ago we saw, at Lenox, Mass., the most attractive specimens of this variety that it has ever been our good fortune to see. This same specimen now belongs to Mr. George Weed, who hatched and reared it from his flock. If the Javas were as attractive in form, color, and markings as this single specimen, it might be well said of them that they were most attractive poultry. The original Java was a smooth-legged, Asiatic fowl, somewhat smaller and less bulky in formation than were the early-day smooth-shanked Shanghai, yet Asiatic in appearance. This was the kind of Java used as part of the original cross from which the Barred Plymouth Rock was made.

The Black Java, as we have it to-day, is credited with being a descendant from black Asiatic fowls that were carefully selected and bred in the far West. Specimens of these drifted back to the East; white sports from the black variety crossed again on the original blacks gave us the Mottled Java—the Java with the mottled plumage like the Houdans, a most attractive specimen, having the appearance of an overly large, well-marked, Ancona.

Why the Javas have been almost ignored, we are unable to say. With us—in fact, with the whole world—the growing of poultry has become a business proposition. All fads and fancies have been swept aside except with a few who foster fancies for pleasure's sake. If the cultivation of the Java would bring better results than growing of the Barred Plymouth Rock, we imagine the Java will become thoroughly popular throughout the entire country, but as long as they lack popularity, just so long will they be almost forgotten.

If the Mottled Java could be cultivated into a variety that would breed specimens averaging so attractive and beautiful as the one owned by Mr. Weed, there would be no hesitation on our part in saying that they must become more popular day by day. However, the difficulties that one must labor against in the production of attractive plumage on mottled fowls is quite discouraging. When one is able to produce one of such quality as Mr. Weed, great credit is due such a fancier for having accomplished such a feat.

## Circulation of The Feather



During the first week in April a careful count was made in the mailing department to ascertain where **THE FEATHER** went by states and from whence the advertisements came.

This count gave the above result by states, showing that **THE FEATHER** goes into every state in the Union and to foreign countries as well. Dr. Andruss writes us that the circulation of **THE FEATHER** is far reaching, he having received orders through our publication from several foreign countries. The circulation of **THE FEATHER** is increasing daily, the result of which is a vast gain in power and popularity.

Barred Plymouth Rocks, America's Best "Utility and beauty" strain, prize winners and world's greatest layers. Bred since 1896 for large size, vigorous constitutions, heavy winter laying, and perfection in Standard requirements. Eggs that will hatch rapid-growing, quick-maturing chicks, \$2 for 15; \$5 for 45, or one excellent mother hen and twenty-five chicks two weeks old, \$6. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-11

Baby Chicks, from High-class White Plymouth Rocks, 8 cents each. Eggs, \$1. 13; \$2. 30; \$4. 100. Stock for sale. GEO. KUNEX, Fayette, Ohio. 12-12

### LEGHORNS

Greatest Profit Payers. My S. C. White Leghorn flock average 162 eggs per year on 80 cents, cost of feed. Eggs—\$1 per 15; \$5 per 100. White Wyandottes, same price, same quality. G. A. JOYNES, Langdon, D. C. 12-9

Single-combed White Leghorns (Specialist)—I have no other breed on my farm. Eggs \$1 per 15; \$5 per 100. Large orders a specialty. Satisfaction guaranteed. SAMUEL S. BLIEM, B. D. No. 5, Pottstown, Pa. 12-10

Single-combed Buff Leghorns (Wickoff Strain) Eggs, \$2 per setting; Buff Cochins Bantam Eggs \$1.50 per setting. ROBT. P. ADAMS, 66 Cahill St., Lynchburg, Va. 12-10

Exhibition Single-combed Brown Leghorns, Line-bred winners at leading shows for twenty years. Circular free. Eggs from winners \$3 per 15. STRAWBERRY HILL POULTRY YARDS, Richmond, Va. Member American Leghorn Club. 12-10

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

Rose-combed Buff Leghorns.—Silver Cup Winners and 350 prizes; the originator and 15 years a breeder of the world's greatest layers on earth; the first man to show them at American leading shows; no Wyandottes, no sport blood in Zwick's Golden Nuggets Strain Rose-combed Buffs. Eggs \$2 per 13. F. ZWICK, Seymour, Conn. 12-10

S. C. White Leghorns. Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2. W. J. BLAKE, Burnside, Conn. 12-11

Black Leghorns; Osborne's Strain Direct. Send for winnings Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. BROOKVILLE POULTRY YARDS, Brookville, Ont., Canada. 13-6

Prize-winning Single-combed White Leghorns, scoring above 93%. Eggs, \$1.50 per 15. Barred Rocks, 75 cents per 15. N. A. DOMBART, M.D., Evans City, Pa. 12-10

Bell's Black Leghorns (Pure Yellow Legs). They are the coming fowl for eggs. Prize winners wherever exhibited. My customers having won at Madison Square Garden last two years. Eggs for hatching. W. G. BELL, Henvilton, N. Y. 12-10

Single-combed White Leghorns. Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punxsutawney, Pa. 12-10

Thoroughbred Single-combed Brown Leghorns, White Wyandottes. Eggs for hatching, \$1 for 15. Satisfaction guaranteed. J. W. BRADLEY, Fountain City, Route 3, Tenn. 12-10

30 Eggs, \$1.75. Rose-combed Brown Leghorns, Kulp and Tabor strains; owner of 237 egg hen, dam 1st pullet, Springfield, Mass., Dec., 1906. WM. H. ROBERTSON, Halls Corners, N. Y. 12-10

S. C. White Leghorns Exclusively. Eggs, \$2 per 15. Fifty one and two year-old breeders after June 1st. Write for record. HOWARD POULTRY YARDS, Ft. Wayne, Ind. 12-10

Rose-combed Brown Leghorn Eggs for Setting; 13 for \$1, or \$7 a hundred. Also a great Leghorn cock for sale. This is as good a pen of birds as owned in state, and will breed winners. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 12-10

Prize-winning Single-combed White Leghorns and Silver-spangled Hamburgs. Eggs, \$1.50 per setting. WAVERLY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

Single-combed Brown and Buff Leghorn Eggs. Write for prices. Pens scoring 93 to 95. Buff Solid Buff. Great laying strains. Barred Rocks. Bright strain, fine specimens. Address J. F. McCONNELL, Polk, Ohio. 12-11

Rose-combed Brown Leghorns, Winners of the Blue. White Wyandottes, winning first cockerel at Warren. Write your wants. JAMES MOODY, Route 3, Newton Falls, Ohio. 12-11

75 Cents for 13 S. C. Brown Leghorn Eggs. The kind that lay in winter. Also S. C. Buff Orpington. MARIE LITTLEJOHN, R. 2, Kentland, Ind. 12-10

Ten Single-combed White Leghorn hens and a pure white yearling cock, \$13. They will breed prize winners and lay lots of eggs. Finest blood in United States. Write quick. MAPLE HILL FARM, Route 3, Fort Plain, N. J. 12-12

For Sale—S. C. White, Buff, and Brown Leghorn hens; eight of each variety, 75 cents each. Good stock. Eggs, \$1 per 15, from prize-winning stock. CHAS. E. BOSTON, New Midway, Md. 12-12

S. C. W. Leghorns. All Stock from My Breeding pens for sale at reasonable prices. Eggs, 15 for \$1.50; 100 for \$6. Address C. B. KROGMANN, JR., 2002 Fourth Street N. E., Washington, D. C. 12-12

R. C. W. Leghorns, for Sale; Twenty Yearling hens and cock. Single birds, \$1.25; five or more, \$1 each; also young stock after August 15, \$1.50 and \$2 each. R. W. PRICE, Troy, Pa. 13-1

Buff Leghorns—Fifty Yearling Hens, Wyckoff strain, all excellent birds for breeding purposes, at \$2 each. Address L. M. HEADMAN, Frenchtown, N. J. 12-12

### WYANDOTTES

Columbian Wyandotte Settings Half Price After May 20th. Choice birds from our breeding pens at bargain! H. H. & E. M. COBURN, Coburnville, Memphis, Mich. 12-10

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. 12-10

Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. 12-10

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, etock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

Columbian Wyandottes.—My Yards Will Be headed by sons and grandsons of Teddy (owned by Arnold) the greatest breeder in America. Look up his record. Good breeding stock at low figures. I am breeding over one hundred head this season. Eggs, \$2 setting. Would sell entire flock. H. D. BRINSER, Manchester, Va. 12-10

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of moat of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 13-2

Golden Wyandottes—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 13-4

Partridge and White Wyandottes, White Plymouth Rocks, Doolittle, Duston, and Fishel Strains direct. Secret of telling laying hens with every order of stock or eggs. EYERS BROS, Mercer, Pa. 12-10

Whites of Stay White Wyandottes. Great Egg producers. Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. 12-10

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 13. H. F. CHASE, Andover, Mass. 13-4

Golden Wyandottes Only. Keller Strain. Won first in Pennsylvania State Fair, 1906; good shape and line bred. Eggs \$2.50 for 13. W. S. BUSS, Catsaqua, Pa. 12-10

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 13-5

White Wyandottes! Pure, White, Short Legs and Blocky. Good layers of large, brown eggs. First prize hen at Newark, 1906. All selected breeders. Eggs, \$1.50 per 15; \$4 per 50; \$7 per 100. Satisfaction guaranteed. W. T. FOSTER, Woodstown, N. J. 12-10

Wyandottes; White and Silver-penciled. At Utica, N. Y., January, '07, I won 22 regular and 17 specials on these varieties, including every first prize. Eggs, \$2 and \$3 per setting. Send for mating list. AUSTIN G. WARNER, New York Mills, N. Y. 12-10

Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Little, and Philadelphia. Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm dock. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 13-5

Columbian Wyandottes of the Best Prize Winning strains. Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y. 13-6



America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y. 12-12

Snow-white Wyandottes; Winners and Layers. Eggs now \$2 per setting. No more stock for sale. MRS. ANNA KLOPP, Route 1, Stevens, Pa. 12-10

Pure Bred "Stay White" White Wyandotte Eggs for hatching, \$2 per 15; or \$3 for 30. JAMES T. BOYD, Rardin, Ill. 12-10

White Wyandottes Exclusively; Keeler Strain. Eggs—\$2 per 15; \$3.50 per 30. Write for prices on stock. ANNA MAGEE, Winamac, Ind. 12-10

White and Columbian Wyandottes; St. Lawrence strain. You want the best laying and exhibition strain on earth—write me. A. N. COWELL, Brasher Falls, N. Y. 12-10

Prize-winning White Wyandottes, and Barred Plymouth Rocks. Eggs—\$2 per 15; incubator, \$5 per 100. All great winter layers. S. A. BANE, Claysville, Pa. 12-10

Silver-laced Wyandottes and Single-combed Black Orpingtons. Stock and eggs in season; write for prices. H. F. BERGNER, South Chicago, Ill. 12-10

Doolittle's Partridge Wyandottes; the Original strain. Won a majority of prizes at World's Fair, Chicago, Boston, and New York. Eggs for hatching. Catalogue, "How to Mate and Breed Partridge Wyandottes," 10 cents. DOOLITTLE, the Partridge Wyandotte Man, Sabetha, Kans. 12-10

Hacker's White Wyandottes. Hens, Cockerels, pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. 12-10

Partridge Wyandottes Exclusively. Eggs, 15 for \$1; 100 for \$5. J. J. MYERS, Route 3, Freeport, Ill. 12-10

Columbian Wyandottes, Exclusively. My Stock is direct, each year, from McIntosh (the originator), Madison Square prize winners. Eggs, \$2 per 15; \$3.50 per 30. WILLIAM REID, Box 97, Hopewell, N. J. 12-10

We Were Winners at Great Pittsburg Show, 1907—Silver-laced and White Wyandottes and Buff Orpingtons. Eggs, \$1.50 per setting. McNEES BOYS, Beaver, Pa. 12-10

White Wyandottes, Single-combed White and Buff, and Rose-combed White Leghorns, \$1.25 per 13. HENRY ROBINSON, Lestershire, N. Y. 12-10

White Wyandottes, S. C. B. Minorcas. Pen headed by males that won 1st at Portland and Manchester. Eggs, \$2 and \$1 per 15. MERCY HOME, 86 Mammoth Road, Manchester, N. H. 12-10

White Wyandottes (Duston), High-class Stock, bred for utility and beauty. Eggs, \$1 per 15. Breeders for sale after June. F. L. BALLARD, Lebanon, Ky. 12-10

Columbian Wyandottes. First Prizes at Lititz, Dallastown, and Ephrata. Eggs, \$1.50 per 13; \$3 per 30; \$4.50 per 50; \$8 per 100. LEWIS O. MAYER, Millersville, Pa., Route 2. 12-10

Columbian Wyandottes. Bred for Quality and utility. Immense layers. Eggs for hatching, \$1, \$2 and \$5 per 15. Stock for sale in season. CANFIELD POULTRY YARDS, Hope Valley, R. I. 12-10

Eggs, Eggs! From Our Prize-winning Snow White Wyandottes, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRISTAL POULTRY FARM, Route 1, Washington, N. J. 12-10

White Wyandottes, Farm Raised, Duston's, Direct. They please others, will please you. After June 1, eggs 50c per doz. Circular. MRS. BENJ. PRICE, Earleville, Md. 12-10

White Wyandottes, Exclusively. Some Good breeders for sale, \$1.25 up. Orders from this adv. given my personal attention. Eggs, \$1.25 per setting; \$5 per hundred. H. E. WINSLOW, Taylorville, Ill. 12-11

Buff Wyandottes; Eggs Now Half Price. This year's breeders, \$1.50 up. All good stock; some fine show birds. Circular free. J. E. WILMARTH, Amityville, N. J. 12-10

Eggs From a Grand Pen of Partridge Wyandottes, \$2.50 for 15. Young stock for sale in the fall. ORLAND POULTRY YARD, E. W. Leonard, proprietor, Orland, Ill. 12-11

White Wyandotte Eggs from My Standard-bred heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circular free. R. C. WARMAN, Washington, N. J. 12-11

Silver-laced Wyandottes Exclusively for Ten years. Beckett's original mating. Few fine laced pullets, \$1.50 each; eggs, \$1.50 balance of season. D. LEWIS, Keyport, N. J. 12-10

Wood's White Wyandottes Win in the Egg Basket. Nine years' breeding for utility. Forty acres. Eggs reduced to \$1.25 per setting. F. H. WOOD, Cortland, N. Y. 12-10

1,200 Buff Rocks and White Wyandottes for Sale. Pure Duston and Nugget strains; line bred for seven years, for eggs and show points. ALLEN SECHRIST, Port Trevorton, Pa. 12-12

## MINORCAS

Rose Comb Minorcas, Black and White, Winners Madison Square Garden, Chicago, Hagerstown, Indianapolis. Satisfaction guaranteed. Book orders now. Circular free. G. A. CLARK, Seymour, Ind. 12-10

Black Minorcas! Rose Comb and Single Comb; large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock, or eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twining, D. C. 12-10

White Cloud Strain White Minorcas; Very Large White Wyandotte Prize Winners. Eggs, \$2 for 15. R. L. BLAIR, Castle Creek, N. Y. 12-10

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S. C. B. Minorcas. Original stock "Northup's" eggs, for hatching, from select, large, well-mated birds. Write for price, etc. WM. DUSEN-BERRY, Dingmans Ferry, Pa. 12-10

Krenn's S. C. Black Minorcas—Winning at New York State Fair, 1906, four firsts, three seconds. A fine lot of young and old stock for sale. Eggs in season. Circular free. JOS. G. KRENN, 114 Beecher St., Syracuse, N. Y. 12-10

Rose-combed Black Minorcas (Northup Strain); 15 eggs, \$2. Best pen, \$3. EUG. A. LOISEAU, Spring Valley Ave., Hackensack, N. J. 12-11

Rose-combed White Minorcas, Prize-winning stock. Young birds and eggs for sale. No cheap stock. Write for circular. KENYON BROS., Elkland, Pa. 12-11

"Round's Ideal" Black Minorcas. Best Settings only \$1.50 now. Good hatch guaranteed. Circular free. SPRING WATER POULTRY FARM, Owensboro, Ky. 12-11

Single-combed Black Minorcas Exclusively. Stock for sale. Eggs for hatching, from prize-winners at Cleveland and Cincinnati. Write for list. A. T. RENNER, Coshocton, Ohio. 12-10

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Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 12-10

R. C. Rhode Island Eggs for Hatching, \$1 per setting, \$5 per 100. Turtles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 12-10

Single Comb Rhode Island Reds. 25 Prizes Won at New York, Hagerstown, Mineola. Send stamp for egg circular. ROBERT SEAMAN, Box 17, Jericho, N. Y. 12-10

Standard Bred Rose Comb Rhode Island Reds. Great layers and red to the skin. Eggs, \$1.50 per 15; \$6 for 100. C. SWANSON, Sycamore, Ill. 12-10

Single-combed. Four Firsts, Geneva. Nearly All best prizes, Cleveland, including 1st breeding pen and Silver Cup best display. Egg catalogue free. IRA M. CROWTHER, "F," Willoughby, Ohio. 12-10

Rhode Island Red Specialist. Single and Rose-combed. Eggs, \$3 per 15; \$5 per 30; from Red Winners, no other grade. Satisfactory hatch guaranteed. P. I. HORNING, Alden, Minn. 12-10

Madison Square Garden, New York, Winnings 1905-06 on Rhode Island Reds; eggs, \$1.50 per setting; \$5.75 for 50; shipped any distance. WALKLING HENNERIES, West Medford, Mass. 12-11

Rose-combed Rhode Island Reds, the Finest strain; also Barred Plymouth Rocks bred for eggs; none better. Eggs, 15 for \$1. Address PETER U. MILLER, Easton, Pa. 12-10

Rose-combed Rhode Island Reds Exclusively. We won silver cup at Philadelphia for best display; first prizes there, at Washington, D. C., and Wilmington, Del.; all in 1907. Write for booklet for prices, matings and winnings. Eggs for sale. GEORGE H. HOLLIS, 3 E. Ninth St., Wilmington, Del. 12-10

My Rose-combed Reds Are Good Layers and Blue ribbon winners. Eggs from \$1 to \$3 per setting. No stock for sale until June 1. D. F. STROHMEYER, R. R. McClainsville, Southport, Ind. 12-10

Quality-bred Rose-combed Rhode Island Reds. Eggs, \$2.50 for 15. Prize winners. Address, D. G. KEYLER, Montclair, N. J. 12-10

Single-combed Rhode Island Reds. From Grandest matings that money and years of experience can produce. Bred for utility and show. Eggs and stock for sale. Prices, matter of correspondence. GEO. L. BUELL, Lorain, Ohio. 12-10

Rose-Combed Reds (Burdick's American Beauty Strain). Mating list and booklet with half-tones of my Chicago and Detroit winners free. W. W. BURDICK, Albia, Mich. 12-10

Rose-combed Rhode Island Reds. Eggs for Hatching, \$2 per 15; utility stock, \$1; bred to lay. CHAS. M. HALL, Box 553, Columbus, Ohio. 12-10



## What Others Are Doing



THE Department of Agriculture has been quite busy of late following up several branches of the poultry interest. Bulletins have been issued by that department, and at the present time they have two efficient and well educated young men at work gathering and compiling information that may be of use to the growers of poultry throughout this country. All poultrymen should hail with delight the fact that the United States Government has finally started some experimental work in the interest of the poultry keepers. It is very unfortunate, however, to have it said that this great Government of ours does not furnish sufficient funds to push these matters. The poultrymen should rise up as one man and demand more recognition at the hands of their Congressmen. From the Atlantic to the Pacific and from the Lakes to the Gulf, there has been a most active interest in the fall fair poultry displays. Better quality, more extensive displays and better handling and judging is reported. In some instances, however, there has been inexcusable management, in not having sufficient shelter for the exhibit to protect them from the rain, snow and wind, and but poor attention given to the sanitary condition and good health of the exhibit. Judging in some instances was considerably improved. No one should permit ailing fowls to take part in a poultry display at any season of the year.

From way down south comes complaint of a scourge of sore head and chicken-pox. Sore head and chicken-pox are most destructive when they once take hold of the flocks. An application of lard in which has been mixed a considerable amount of turpentine is said to render assistance in relieving the worst phase of these ailments. The trouble has its foundation in the blood. Cooling remedies are the best. Water in which has been mixed just a little Epsom salts may be used in the drinking vessel for several days. The application of ointments gives only local relief. When once the trouble is fairly well started in the flocks, it usually goes through the entire lot. These ailments are usually spread from infected specimens coming in contact with others. Chicken-pox may be scattered broadcast through the whole country from the poultry displays at fall fairs. Sore-head travels quickly in very much the same manner.

There has been a very strong effort made within the last two years to improve and popularize the Dominique fowl; this movement has been led largely by Jessie G. Darlington, of Philadelphia, one of the first devotees of this breed. He is rigidly opposed to the demand of the Standard to have them barred and colored like the Barred Plymouth Rocks, and claims that they should be the Dominique of early day—what he calls the best all-round farm fowl of America. We hope in the near future to have an article from Mr. Darlington relative to this breed.

Several articles have been written of late calling attention to the spreading of disease among ducks and geese. It has

always been thought that water-fowl were almost immune from the ailments usual to poultry. Of late it is claimed that water-fowl, more especially the ducks, have become infested with insect vermin, liver trouble, limber-neck, rheumatism, roup, and even chicken-pox. Geese are credited with having absorbed some of these ailments. One writer states very emphatically that this is the outcome of careless handling in permitting the ducks, chickens, geese, turkeys and guinea fowls to run together and feed from the same troughs or boxes. Permitting all these to take their water supply from one common center is credited with being more than half the cause of the trouble. All who are even fairly well acquainted with handling fowls would know that it was most injurious to permit all these different kinds of fowls to run and feed together.

Buff Leghorns have become popular in the far West. Some of the largest classes in the Oregon shows last winter were Buff Leghorns. The fanciers there claim for them greater advantage than for any other poultry in that climate. Some high scoring ones found their way into the show. One of our subscribers having read of this in one of the papers, writes to ask us if the color made any difference in the egg-producing qualities of the Leghorns. To this we answer no, and refer the writer to the article in a recent issue of our paper with reference to this. This article will be found in our January issue.

We copy the following from an exchange. It is designated as the Australian method of plucking fowls, and says: "As soon as the birds are dead, plunge them into a pail of boiling water into which a pint and a half of cold water has been thrown. One minute's soaking is generally sufficient. Every feather can now be stripped off in the easiest manner possible—in fact, they can almost be brushed off. The skin never tears and the insects that infest all chickens will have disappeared."

When poultry are so thoroughly infested with insect vermin as to make it necessary to scald them when plucked for market, they must be in a pitiful condition indeed. Scalding poultry when plucking the feathers is a very old method of dressing fowls for market—in fact, has been known and used since the earliest time. We, however, have never before understood that it was used in plucking neglected poultry that had been so infested with vermin that they had to be scalded to handle the fowls.

In a recent calculation made through the columns of the Rural New Yorker, they show from deductions made from the report from the Maine Experimental Station that a barrel of hen manure would be worth commercially one dollar and ten cents. In some localities it is valued even beyond this. We have known some of the best market gardeners say that they would rather have ten pounds of hen manure for use in growing garden truck than fifty pounds of some of the commercial fertilizers that sell at one dollar per hundred. The trouble is usually in saving these kinds of fertilizers. If they were properly stored in barrels, put away and kept dry, they would prove more beneficial than when permitted to lay about.



## The Black Leghorn



IS THERE seems to be a kind of boom in this breed, it may not be out of place to give a fair consideration to its merit, for there has been such a lot of nonsense written of this not widely-known breed, that unless it is kept within bounds there will certainly be disappointment. Black Leghorns originally came from Italy, and they are quite numerous in the northern provinces of Lombardy and Venetia. They are cultivated chiefly on account of their merits as egg producers, but no attempt has been made to breed them to a distinct standard. In Italy the fancy has but little hold; provided the birds are satisfactory from a utility point of view it is enough. English visitors, however, imported a few pens now and then and gradually they were established in England, from whence they have been imported into America. But there are Black Leghorns and Black Leghorns. The English fancier can not tolerate a small bird, and the consequence is that many that were imported into this country from England had other blood in their veins. This will happen to a greater extent still. In fact, I am certain the race will be radically altered. Indeed it might be altered for the better. The birds are far too small and scraggy-looking at present, and they bred almost any old way.

A judicious introduction of foreign blood might be made to increase size, to secure greater hardiness, and to keep up the general good laying qualities, while at the same time increasing their capacity for producing eggs in winter. The

Minorca cross has been used in some quarters, but it is not to be approved of, as it does not seem to benefit the Black Leghorn in any way. The proper blood to cross in is the Black Rock, and then breed back to the Leghorn type. Black Rocks are sports from the Barred Rocks, and as they have everything to match with the color of Black Leghorns, except the ear lobes, the amalgamation would be a simple matter. Black Minorca blood only tends to produce sooty legs. Black Rocks would strengthen the tendency to produce the much-desired yellow legs.

The great difficulty in breeding Black Leghorns has always been, to produce perfectly black plumage with a good sheen, with bright, yellow legs. The two will hardly go together. In the vast majority of cases birds with good yellow legs have dingy plumage and white in tail, and often white in wings also. Birds which are perfectly free from white in their plumage have almost always dusky yellow legs. It will be a hard job to reconcile the two things. Many hopeful breeders who are now taking up the breed, will be very sure to throw it over when they discover how terribly difficult a matter this is to overcome. A black breed can not be tolerated with any white in his plumage.

Black Leghorns are really excellent layers, but their eggs are on the whole rather small. They are not equal to the White Leghorn. The birds which lay the larger eggs have generally a dash of Minorca blood in them.

I think that a boom on these birds would not be likely to last very long.—W. R. Gilbert.

## The Squab Business

The Squab Bulletin, of St. Paul, has taken up the cudgel against parties who sell squab breeders on the guaranteed mating proposition. THE FEATHER has always contended that no one could furnish guaranteed matings of Homer pigeons for squab breeders and ship them in baskets across the country, turn them loose, and depend upon their constancy. The writer, who is the associate editor of THE FEATHER, began handling pigeons over thirty years ago. We have had what might be termed almost unlimited experience. When a man tells us that twenty-five pairs that have been mated for a year can be packed altogether in one box, crate or basket, and shipped across this country and come out of the basket in a new home mated pairs, the writer is led to believe that the man is talking without having had experience.

There is no question so vexatious in the squab-growing business as the one of guaranteed matings, unless it be the spreading of canker broadcast throughout the country. We do not believe that any breeder or seller of squab growers can guarantee matings unless the pair has been mated and reared at least one nest of young. The selfsame pair must be shipped in a close package by themselves,

delivered and shut up in a nesting box in their new home at least forty-eight hours to be a safely mated pair. Neither do we believe that there is a man living on earth who can pick out male and female pigeons to an absolute certainty on sight, and we do not hesitate to state that whenever any one claims that he can select the males and females by sight, and that he can guarantee pairs to continue mated after being shipped with more than one pair in a package, they are promising something that no pigeon grower can absolutely fulfill. We have known 40 per cent. of an entire loft that had been mated for years to separate from their mates simply as the result of having been moved from one end of town to another into a new loft and turned loose therein. There is a saying that is rather common, but which would express the situation. Those who talk about guaranteeing matings, constant matings under all conditions, and such things, are evidently "talking through their hats." We have always stated so in the columns of our paper, and we do not believe that any one can grow to a year of age, mate and deliver a guaranteed mated pair for less than \$2.50 to \$3.00 per pair and make any profit.

Lakemont Poultry Farm, breeders of Ward's Rhode Island Reds, exclusively. One thousand early hatched pullets and cockerels for sale. Free circular. Winter Park, Fla. 12-11

Rhode Island Reds, Ideal Princess Strain. Eggs, \$1 per setting. S. C. Brown Leghorns, \$1 per setting. M. A. PARSONS, 803 S. Wichita. Wichita, Kans. 12-10

### RHODE ISLAND WHITES

The R. I. Whites Are Very Desirable if the Largest profit is looked for. For quick matings and as layers they equal the Leghorns. As dressed poultry they have no superior. Interesting catalogue free. HOME OF THE R. I. WHITES, Wakefield, R. I. 12-10

### BANTAMS

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMANN, Carlisle, Pa. 12-12

200 Chicks, Best I Ever Raised. Red Pyle, Black Reds and Polish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIRE," Gloversville, N. Y. 12-11

Black, White and Partridge Pekins. Golden and Silver Sebrights, Red Pyle Game Bantams. R. C. Brown Leghorns and Buff Orpingtons, stock and eggs. J. SHELDON WELLS, Greenport, N. Y. 12-14

Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 12-5

### ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. 12-11

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUT CO., Easton, Pa. 12-11

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. 12-6

S. C. and E. C. Buff Orpingtons a Specialty. Only high scoring birds in my pens. Eggs in season, \$1.50 and \$3. Birds for sale. Write me. DR. ROBERT S. DOMBAUGH, Waldo, Ohio. 12-10

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 12-5

Charles Jehl, Long Branch, New Jersey. Buff Cochins Bantams. Eggs, \$3 per 13. Winners 88 prizes at the Great Madison Square Garden, New York. 12-6

Buff and Black Cochins Bantams; Winners at New York, Stamford, and White Plains; 1st cock, 1st hen, 1st cockerel, 1st pullet—Madison Square Garden on four entries in Blacks. These birds and others just as good in my yards. A few birds of blue ribbon quality to spare. JAMES B. N. FITCH, Mt. Vernon, N. Y. 12-6

Buff Cochins Bantams; Eggs for Hatching; Orders booked for delivery now or later; Pure bred and hardy stock. Prices reasonable. GEO. O. BILLHEIMER, Bethlehem, Pa. 12-10

Model Poultry Farm. White Thoroughbred S. C. White Leghorn, Wyandotte, and Cochins Bantam eggs, \$3 for 15; Cochins Bantams, pair, \$3. NELLIE V. CAMERON, Swanton, Ohio. 12-10

White Cochins Bantams, \$3 per Pair; \$5 per Trio. M. D. CASS, Athol, Mass. 12-10

Game Bantams, all Varieties of the Best Quality. On thirty entries won 18 firsts, 9 seconds, 3 thirds. I breed and raise prize winners, and can please the most exacting. JESSE G. DARLINGTON, 53d and Media Sts., Philadelphia, Pa. 12-10

Polish Bantams, Buff and Golden Laced; Also Blacks. The original strain which placed the Buffs in the Standard. Eggs 75c each; \$6 setting. PARK VIEW POULTRY YARDS, West Springfield, Mass. 12-11

Partridge Cochins Bantams. If You Want Good stock write to me. Grand shape and pencilling; extra heavy toe feathering; highest honors at Boston, Providence, Brockton, etc. A few cockerels for sale. Eggs, \$2 and \$3. J. E. MORSE, Taunton, Mass. 12-11

### JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams. Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. 12-11

Breeders for Sale. Price of Eggs Reduced of Rose-combed, Buff Rose-combed, White Orpingtons, Rose-combed White Minorcas and Buff Rocks. B. WENK, Washington, Ill. 12-10

Orpingtons, Buff and White; Prize Winners; Buff to skin. Pens 1 and 2 headed by fine cockerels. Eggs \$1.50 and \$2 for 15. T. KINNAMAN, Fortville, Ind. 12-10

Orpingtons—Buff, Black, White; Winners Whenever shown; "best" standard-bred layers in country. Write for matings, prices, etc. E. M. LONG, Avenue F., Osceola, Ind. 12-10

Rose-combed Buff Orpingtons Exclusively. If You want size and color I have them. Eggs, \$2 per 15. Fertility guaranteed. J. C. CORBIN, Troy, Ohio. 12-10

S. C. Buff Orpingtons and White Rocks. Winners at the great Anburn Show. Eggs, \$2 per setting. J. B. FOSTER, Norwich, N. Y. 12-10

S. C. Buff Orpingtons; Eggs \$2 per 15. S. C. Black Orpingtons; eggs \$3 per 15. Bred for size, shape, color, to lay and exhibit. The breed that has won favor of American poultrymen. MELDO HILLIS, Box 66, Ellwood, Ind. 12-10

Diamond Jubilee Orpingtons. The Money Makers of the future. For eggs, broilers, market, or show room, they are unequalled. Don't change, or select your new breed, until you see our free circular. ISAAC F. TILLINGHAST, 65 High St., Factoryville, Pa. 12-7

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 specials, 5 entries, 3 pens headed by first prize birds. Interesting booklet free. DELL FARM, Monaca, Pa. 12-11

S. C. Buff Orpingtons. Some Bargains in Choice vigorous and healthy. Best eggs, \$2.50 per 15. Incubator eggs, \$6 per 100. This season's breeders for sale after June 1. A. G. HOCH, Storm Lake, Iowa. 12-10

S. C. Black Orpingtons. Won 1st Cock, 1st Cockerel 1st and 2d pullets at Palestine; 1st cockerel, 1st and 2d pullet at Salem. Eggs, \$3 for 15. Prize matings. L. B. GREEN, Columbiana, Ohio. 12-10

Stock and Eggs from the Yards of S. D. Lance, Troy, Ohio, specialty breeder of high-class, Rose-combed, prize-winning Buff Orpingtons. Eggs, \$2 per 15. Good hatch guaranteed. 12-11

Cook's Strain, S. C. Buff Orpingtons. Eggs, \$2 per 30. Young stock in October. MISS JULIA JONES, R. F. D., Tobaccoville, N. C. 12-7

### BRAHMAS

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Joliet; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 12-4

1868-1907—Star Strain Light Brahmas; 3 on Pen, Boston. Eggs, \$3 per setting. For stock or eggs address, DR. N. V. HUTCHINSON, North Abington, Mass. 12-11

Light Brahmas (Nettleton's Direct) Choice Cockerels, \$3 to \$5; pullets, \$2. Eggs \$2 setting. Large White Rock Cockerels (Peapack Farm) \$3 to \$5. Eggs \$2 setting. M. E. RIDGELY, Bensenville, Md. 12-3

East View Poultry Yards, Box D., Ballston Spa, N. Y., offer prize-winning and choice breeding Light Brahmas at reduced prices. Also young stock for sale. 12-3

### FAVEROLLES

Faverolles.—"The King of Utility Fowls." Also Lakenvellers. Send stamp for circulars. Dr. PHELPS, Glen Falls, N. Y. 12-11

English Salmon Faverolles. Eggs for Hatching, \$2.50 and \$5 per 15; fertility guaranteed; stock for sale after July 1. Circular free. L. R. SEBRING, Bellefonte, Pa. 12-10

Salmon Faverolles, "King of Utility"—Greatest layers and best market fowls. Eggs, \$2.50 per 15, or \$10 per 100. Lakenvellers at same price. C. SWANSON, Sycamore, Ill. 12-10

Salmon Faverolles. Our Birds Are Bred to Win and lay. Won first in New York in 1907. Circular free. C. S. HARMA, West Hebron, N. Y. 12-12

Bardwell's Salmon Faverolles. Best Specimens from best yards in England. \$5 for 15 eggs. H. W. BARDWELL, Importer and Breeder, Tunkhannock, Pa. 12-10

### ANDALUSIANS

Blue Andalusian Exhibition and Breeding Birds a specialty; choice strain for heavy laying; eggs and stock for sale. JOHN H. WHITE, Anacostia, D. C. 12-11

Blue Andalusians, Partridge Wyandottes, Pekin Ducks, Brown and White Ferrets. Large package Howling Mob Sweet Corn seed, 25c. Eggs half price now. Circular for stamp. BAY RIDGE POULTRY FARM, Route 15, Jamesville, N. Y. 12-11

### COCHINS

Partridge Cochins. Best General Purpose Fowl. Prize-winning strain. Eggs from selected matings; \$1.50 for 15. Riverside Farm, W. F. ALLEN, Milan, Mich. 12-10



Fine Partridge Cochins, \$2 to \$5 Each; Eggs, \$3 per 15. One pair Black Cochins, \$10. Prize-winners 25 years. DR. H. BALLARD, Cullom, Ill. 12-11

White, Black, and Partridge, Winners at New York, Pittsburg, and Indianapolis. A few grand ones to offer; 200 young growing. Circular. D. C. PEOPLES, Ulrichsville, Ohio. 12-10

## GAMES

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Twenty Extra Fine, Dead Game, Fast Fighting cocks, \$4 each. 5 lbs. to 6 lbs., all colors. Muffs, Gaffs, and Mexican Calsar. DAYTON BIRD STORE, Dayton, Ohio. 12-10

Money Back if My White Indian Games Fail to please you. Large, hardy, all-purpose birds; 15 eggs, \$2. M. E. KENNEDY, Temple, Ga. Route 3. 12-12

Look! Pit Fighters, Canada Blk. B. Reds. Eggs, \$2. 15. White Indians, \$2.50; Cornish, \$2. Circular. LIDON BROS., Box 3, Inwood, Ont., Can. 12-10

Heavy Weight, English Black-breasted Red Pit Games; Tom O'Neil, Kentucky Dominiques, Irish Greys. Eggs, \$2 per setting. WAVELY GAME YARDS, Jos. S. Knapp, Waverly, Baltimore, Md. 12-10

All Varieties, Exhibition Games for Sale. Some grand birds to dispose of at once. Eggs for hatching. Orders booked in turn. JOHN A. CLARKE, Box 112, Pittston, Pa. 13-7

## LANGSHANS

White Langshans. Eight Years. Eggs from Choice matings, \$1.50 per 15. Bantam eggs wanted in exchange. Must be good stock. Circular. ERNEST CROSS, Racine, Ohio. 12-11

Thoroughbred Black Langshans. Hundreds of them for sale. Eggs reduced to \$1 per 20. Write your wants to THE ROSE LAWN POULTRY FARM, Auburn, Ind. 12-12

## LAKENVELDERS

Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. 12-11

## POLISH

Smith's White-crested Black Polish Came to the front years ago, prize winners. Still stay winners. Stock for sale; eggs, \$2 for 15; \$3 for 30; for prize record write R. E. SMITH, Afton, N. Y. 12-10

White-crested Black Polish Eggs That Will Hatch, from superb stock; winners at the St. Louis World's Fair; all first prizes at the Chicago Show, 1907, and wherever shown. \$5 per setting. Illustrated catalogue free. GEO. V. TRENT, Wilmette, Ill. 12-10

Seely's White-crested Black Polish, Won Sups at World's Fair, New York, and Auburn. Stock for sale. Write for circular. CHAS. L. SEELY, Afton, N. Y. 12-10

Buff-laced and White-crested Black Polish, Winners of silver cup, Detroit, 1907. Old and young stock for sale. No eggs. VAN DAVIS, Detroit, Mich. 13-3

## SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

Home of the Spanish—Four Breeding Pens of choice birds for sale. Eggs, \$1 per setting the rest of the season. THOS. MURRAY, Columbus Ave., Sandusky, Ohio. 12-11

## HOUDANS

Standard-bred Houdans. Large, Fine Birds, Prize-winners. Line bred for ten years. Stock and eggs for sale, \$5 per setting. Indian Runner Ducks. Champion laying strain, \$2 per setting. A few good drakes for sale. K. VAN'T HOF, Grand Rapids, Mich. 12-11

Pedigree Houdans. The Demand is Greater Than the supply, and reports from the breeders that have the goods and are large advertisers, are that they will have plenty of egg orders way in August, so late in the fall are the seasons these years. My small advertising brought orders so fast from the first that it would have been foolish to have advertised larger, and so will sell eggs from now on at greatly reduced prices. Stock bred from highest scoring, and record hens in the world—from 265 to 281 egg hens, and winners at World's Fair, Chicago, Hagerstown, and New York. My catalogue shows birds bought from McAvoy, and certificate that they are the finest Houdans he ever sold. A. E. JONES, Elkland, Pa. 12-11

## BUCKEYES

Buckeyes. The Premier Red Breed of the world. Quality high, prices low. Stock and eggs. Guaranteed. HARRY FAUCETT, Box 8, New Albany, Pa. 12-10

## HAMBURGS

Silver-spangled Hamburgs Exclusively. Silver cup winners at Indianapolis; gold special winners at St. Paul, Minn. Eggs, \$3 per 15. J. E. KIRCHEIS, LaCrosse, Wis. 12-10

Breitwieser's Silver-spangled Hamburgs won 60 ribbons, 2 silver cups, 10 entries scored 940 points. Eggs—\$2. 15; \$3.75, 30; \$5. 50. Breeders for sale. BREITWIESER'S YARDS, Buffalo, N. Y. 12-10

Silver-spangled Hamburgs; Show Birds and Everlasting layers. My matings are as handsome as any ever produced. GEO. V. FRYE, Lexington, Ohio. 12-11

## SHERWOODS

Fine Sherwoods! The Coming Fowl. Cockerels and pairs; good weight and excellent layers. Also ornamental ducks. Send for price list. OLIVE H. FLINT, Ridgefield, Conn. 12-10

## LITTLE CHICKS

Baby Chicks from Fishel White Rocks and Wyandottes. Price according to age. MRS. M. B. WILLIAMS, Salisbury, Mo. 12-10

## TURKEYS

Anxious to Raise Turkeys! Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

High-class Mammoth Bronze Turkeys Mated, not akin. Free range. Eggs, \$2.50 per 10. Pearl Guinea, \$1 per 15. CLIFFORD BURHANS, Route 4, Box 115, Sangerties, N. Y. 12-11

Two Hundred Genuine Wild Turkeys. All Varieties, including Mexican. One pen headed by largest wild tom in existence. R. L. BLANTON, Route 1, Farmville, Va. 12-12

## DUCKS

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair \$4. DR. IRA C. TYNDALL, Whaleyville, Md. 13-6

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Rankin Pekin Duck Eggs, \$1.50 per 13; 25, \$2.50. Fashionable breeding. Recorded Poland-China and Duroc-Jersey hogs. Stock for sale. JAS. HEDDINS, Charleston, Ill. R. D. 12-10

Eggs. Wild Mallard Ducks, Dark Green Head and White, as they run, \$2 per setting. RIVER VIEW FARM, F. B. Fenton, Beloit, Wis. 12-10

Reduction Sale of Rouen Ducks—World's Best strain. Prices reasonable; absolute satisfaction guaranteed. Circulars free. Write F. D. FOWLER, Box A, Carlinville, Ill. 13-8

## PHEASANTS

Pheasants, 30 Varieties, \$2 Up. Most Beautifully colored birds of this world. Easier raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock, Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4

English Pheasants, Full Grown, Covert or Pen bred, \$4 per pair. October delivery. White Swans, pair, \$23. Other game and ornamental birds at very low prices. Jack Rabbits, each, \$2.50; discount on quantity. Write for what you want. DENLEY, Naturalist, New York City, N.Y. 12-11

## ORNAMENTAL

Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotos, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercailzie. Write for price list. WENZ & MACK-ENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

Japanese Phoenix Fowl. Cocks Have Yard-long tails; heanties. 15 eggs, \$3. White Guinea, 15 eggs, \$2. No circulars. GREAT MEADOW FARM, Comstock, N. Y. 12-11

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Barnese, Hen, Polish Lynx, Carriers, Dragons, Pouters, Pouter, Fantails, Jacobins, Owls, Turbans, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 12-11



## The Rose-combed Buff Leghorns



THE rose-combed variety in Buff Leghorns has not been so popular nor so generally kept as has the single-combed variety. Since the rose-combed variety has been recognized in the Standard there has been considerable improvement in them.

In a communication received a short time ago from Mr. D. Clemon Poole, Fallston, N. C., he states that this variety is very successfully kept in that locality. They are regarded there as splendid egg producers and their laying qualities are highly recommended. We all know that the Leghorns have gained great popularity the world over, because of their continued egg production and their valuable qualities recognized by those who keep them for producing eggs for market.

Mr. Poole commends this variety for their unusual determination to hunt for their food supply. They have proven to be such profitable foragers in his locality as to almost remove the necessity of giving them any grain ration during parts of the year when they can roam over a wide range and seek for themselves. Leghorns

are becoming very popular throughout the entire South and in California.

There are many varieties of Leghorns, all of which are pushed for recognition by the clubs and individuals who foster them. The buff color is most attractive. The rose comb on the Leghorn is a protection during the very cold winter months of the North in comparison with the single combs, which are larger and more readily frozen. Mr. Poole feels that there should be more attention given to the production of this variety throughout the entire South. We have often mentioned the fact that the South would be the future source of supply for market eggs and poultry. The mild climate makes it possible to gain a full egg supply during the winter months, and in addition to this broilers can be hatched much earlier in the season, grown and sent at times into market before there are any ready in other parts of the country. If the fanciers of the South would take hold of these conditions with a strong heart, and strive for improvement in poultry growing throughout the South, they would accomplish more for themselves, and the breeder in the Southern states than could possibly come through any other effort they might make.



## Reply to Queries

One of our subscribers writes and asks if it is advisable to use two cockerels alternately with twenty hens in pens fifteen by twelve feet.

In reply we would state that it is the habit of many breeders who keep so many hens in one flock to have from one to three male birds, which they alternate by days in the pen, keeping two of the males cooped up all the time while the third spends the day in the breeding pen. This is considered a proper procedure, where but little attention is given to the production of exhibition fowls. For market eggs, market poultry and breeding for utility purposes, it is quite proper to follow the above plan. For producing exhibition fowls, individual matings are always the best.

Another reader from Stanford, Conn., asks if it would be policy to breed from a crooked tailed cockerel, and asks if this is a hereditary defect. When breeding for exhibition purposes, never use a male or female that has a blemish or defect, which detracts from their beauty. A crooked back, a crooked tail, a crooked breast bone or a bad comb, if natural, may all of them be transmitted to the offspring. It is too dangerous a possibility to tamper with. At this stage of poultry culture for exhibition, never take a chance on an uncertainty. The same is true in breeding for market purposes; crooked

backs and crooked breast bones detract considerably from the market value of poultry.

Another subscriber asks where he can secure water-glass for preserving eggs. Every drug store, every country grocery store; in fact, every one who has anything whatever to do with selling supplies to farmers will readily undersand the article called for when you ask for water-glass. It is sold in liquid form about as thick as heavy molasses, and dissolves readily in warm water.

Another asks whether it would be safe to use the droppings and the litter from pens in which fowls having the roup have been kept. Some scientific people believe that the most danger lurks in the droppings and the litter from the floor and dropping board that are used by roup fowls. Perhaps nothing is more dangerous than the droppings from cattle affected with tuberculosis. We believe that the contagion of roup is equally dangerous with tuberculosis, and we class roup in the most dangerous form as unsafe as blood poison. Notwithstanding all this, we should not hesitate in the least to use the droppings from roup fowls for fertilizer, where it was harrowed in or plowed under, and the poultry did not visit the ground where it was used for at least a week from the date of plowing.





## Business World

Mr. L. H. Perry, Clay, N. Y., has a choice lot of yearling and two-year-old Leghorns and Plymouth Rocks, which he offers to any one anxious to have fall fair exhibition birds. He will not exhibit himself. All he has are for sale.

We received the Buff Rock Quarterly for May. This comes to us from Mr. C. A. Morton, secretary, 510 Chamber of Commerce, St. Louis, Mo. Mr. Morton is one of the most active specialty club secretaries of the country. The Buff Rock Quarterly is a credit to him. We imagine he will be glad to send a copy of this attractive paper to all who may be interested in this buff variety.

We have just received from the Reliable Poultry Journal Publishing Co., of Quincy, Ill., a copy of the revised edition of their book, "Eggs and Egg Farms." This book must prove very interesting to all concerned in the egg-production problem of poultry culture. Many of the best writers on poultry questions have contributed to this volume. It is attractively illustrated and should be in the hands of every fancier throughout the country. We can send a copy to you for 30 cents. This book and THE FEATHER, one year, will be sent for 75 cents; with THE FEATHER two years for \$1.

We have just received a letter from the Cyphers Incubator Co., telling of the success they are having with their chick food. Enclosed in this letter was a circular which must prove of great interest to all who keep poultry of any kind. This circular tells of all the different kinds of grains, cereals, and poultry foods that are so valuable for growing chicks and producing eggs. A letter to the home office of the Cyphers Incubator Co., or any of their branch houses, will bring full information about this to the writer.

Under date of June 1, we received a communication from Leonard W. Lott & Co., 106 Fulton Street, New York City, in which they state that they have purchased the right, title, good-will, etc., of The American Fancier. Under the new management the paper will be published the 1st and 15th of each month. The first issue under the new management will be sent out August 1. All those who have subscribed through THE FEATHER will receive a full complement of papers; so writes the new management to us. All who have subscribed through the different poultry papers throughout the country will receive value for their subscription. The new company expects to make The American Fancier a duplicate of what it was in its best day.

The subscription price will be 50 cents a year in the United States; Canadian rate, 75 cents. We trust that the new management will make the paper so satisfactory that all those who have subscribed through this office will feel that they have been fully repaid for the long wait and the uneasiness that has been felt for fear the paper would not reach them any more.

The Great Allentown Fair announces in this issue the completion of the magnificent new building for poultry on the fair grounds at Allentown, Pa. Under the present management of the fair association, and with Mr. W. Theo. Wittman as superintendent of the poultry department of the fair, the poultry display at Allentown has become one of the best in the country. Secretary Schall has always been a staunch friend to the poultry fancy, and the president of the association is so kindly disposed toward every one as to make it a pleasure to go to the fair. The entries at the Allentown Fair will close this year September 7. A sufficient number of judges will be employed to place the awards in a single day. Every one who has poultry to show should consider Allentown for the week of September 17.

We are pleased to know that a poultry association has been effected at Allentown, Pa. The name of the association has been changed to the Allentown Fanciers' Association. W. Theo. Wittman has been elected president; Adam F. Noll, vice-president; Geo. W. Eckert, treasurer, and Thaddeus Weaver, secretary. Mr. Wittman is so well known throughout the country that it is unnecessary to mention his prominence. Mr. Eckert is one of the best-known pigeon fanciers. The other two gentlemen are well known in the fancy. Cups and special premiums in considerable number have already been donated to the association.

The United States Department of Agriculture has established in Denison, Tex., a place for the practical illustration of the possibilities of uniting dairy, poultry, and hogs as a business proposition for that locality. The poultry portion has started under good conditions, an orchard being the dwelling place of the flock. Mr. C. O. Moser, the manager of this establishment, writes us that they feel that they will be able to add considerably to the profit of the farmers of Texas through the experiment by handing these three propositions in that locality.

We have just received from Geo. S. Barnes, secretary, Battle Creek, Mich., a copy of the Buff Leghorn catalogue, just from the press. This should prove more than interesting to all lovers of the Buff Leghorn. Mr. Barnes informs us that he would willingly send a copy of this to any one really interested in this variety of fowls.

Mr. A. J. Rhoades, a Philadelphia chemist, is offering a new preparation to put new life into lazy poultry. He claims this to be an egg-producing product. States that it not only increases the egg-production, but also has the qualities of an excellent poultry tonic. This new product is advertised in THE FEATHER.

Under date of June 29, we are informed by the Health Department of the District of Columbia that Judge Mullaney has rendered a decision that the "Chicken Law" is in the nature of class legislation and therefore unconstitutional.

**German Pigeons.**—Offer Maltese and Hungarian Hen Pigeons, reliable and prolific breeders. Large and heavy birds, free on board mail steamer in New York and Boston to lots of 5 pairs. \$25; 10 pairs, \$45; 20 pairs, \$80; 40 pairs, \$150; and \$100 pairs, \$350. Hen Pigeons my specialty. Satisfaction certain. Send money order. H. UNZELMANN, Ottostrasse 32, Hamburg, Germany. 12-10

**200 Pair Mated White Homers.**—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragoons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

**For Sale—Magpies.** Pigeons in All Colors. Show birds from \$5 per pair and up. Good stock birds for \$3 per pair. WM. EHINGER, 1327 N. 4th St., Philadelphia, Pa. 12-12

**Fancy Pigeons.** Fantails in White, Blue, and Black; Tumblers in Red, Blue, Black, Yellow and Dnn. Write for prices. MATT HEAD, Box A, Jefferson, Ia. 12-10

**Carneauz, Maltese Hens, Pigeons, etc.,** Are money-makers. Linenoid colored bands for mating purposes. Write for advice and circulars. ERNEST L. WINSLOW, Greenwood, R. I. 13-1

**Pigeons For Sale—English Dragoon, all Colors;** White Homers, Arkangles and several other fancy colors. Homers in large or small lots for squab producers, all very cheap. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 13-1

**Almond Tumblers—Clean-legged and Muffed;** also yellow muffed Tumblers, grizzle, checker and blue Dragoons and Homers. Winners at leading shows. Exhibition birds and stock; pairs at reasonable prices. Exchange for poultry. ISAAC SPRAGUE, Wellesley Hills, Mass. 12-10

**White Dragoons Exclusively.** I Breed Stock birds only, from strong, healthy, imported birds. Guaranteed to please, or may be returned. Write for prices. WHITE DRAGON LOFT, Neff's, Pa. 13-3

### HOMING PIGEONS

**High-class Homer Pigeons for Squab Raising,** more money in squab raising than any other business. Secure the best breeders, at the lowest prices, from the WEISSPORT SQUAB CO., Weissport, Carbon County, Pa. 12-10

**Wanted.—Homer Pigeons of Good Breeding Age;** any quantity; also Homer youngsters. State number and lowest cash price. F. M. DUNHAM, 511 Bourse Building, Philadelphia, Pa. 12-10

**Attention! This Year We Sold Over 1,000 Birds.** Have a few high-class mated Homers and odd birds left. Prices reasonable. Write SQUAB FARM, Marietta, Pa. 12-10

**Church Hill Pigeon Lofts, Charles E. Hoover,** Propr., Lehigh, Pa. Breeder of thoroughbred White Homers. A few extra choice pairs of mated breeders at \$2.50 per pair. Satisfaction guaranteed. 12-10

**Important and Valuable Information That Every** one interested in pigeons should have, mailed free. Send postal to-day. HOWARD BUTCHER, Box 21, New Britain, Bucks, Co., Pa. 13-7

**Homers for Squab Breeding, Mated Birds, Pro-**lific breeders. Easy to sell. Demand exceeds supply. MISSOURI SQUAB CO., 3801 Shaw Ave., St. Louis, Mo. 12-10

**Raise Big Squabs (Extra Large Homers), Se-**lected from prolific breeders. Banded and color of each pair given. No birds sold over two years old, and have raised young. Squabs average over 10 lbs. per dozen. Will return money if not satisfied, less express charges. Price, \$2 per pair. JOHN COLE, Humboldt, Iowa. 12-10

**Pure White Homers, 100 Pairs Mated, and Not** over one year old; healthy and in good working condition. Price, \$2.50 per pair; 25 pairs for \$50; this is a bargain, as no other fancier will sell such stock for above price. H. M. MOYER, Route 2, Bechtelsville, Pa. 12-10

**Squab Raising—Antwerp Homers, Seamless** Banded, are the best squab breeders. Seamless bands on birds are a certificate of age that can not be altered or removed without destroying either the band or the bird; they identify each bird by number, and show date when hatched. Young breeders are profitable, old ones an expense. Seamless Banded Antwerp Homers, one to three years old, five pairs \$80; ten pairs, \$18; twenty pairs, \$34; fifty pairs, \$80; one hundred pairs, \$150. Aged or unbanded birds, half price. All charges prepaid, free aboard express. New York Safe delivery guaranteed; deaths in transit replaced on return of band. Birds will not be shipped C. O. D., but orders placed with any express agent in America will be forwarded through express company's foreign department, or remit by money order to J. L. MACDANIEL, 18 B., Boite 460, Antwerp, Belgium. 12-10

**For Sale—White Homers, Pure Bred Stock,** mated; per pair, \$2 up to \$6; also young birds for \$1.25 per pair. Address WEBSTER G. YODER, Boyertown, Pa. 12-12

**Homing Pigeons.** Breeding Stock and Squabs for sale at all seasons of the year. Also Great Dane dogs for sale. Address C. B. KROGMANN, Jr., 2002 Fourth Street N. E., Washington, D. C. 12-12

**Mandalay Squab Co. Will Supply You With** bright, snappy, rapidly breeding, blue or red Rock Homers, at \$2 per pair. Address MAN- DALAY SQUAB CO., Buffalo, N. Y. 12-12

**Jumbo Homers.** Guaranteed Mated, Working pairs, at reduced price of \$1.50 pair. For photo of this stock, write. Mention Feather. E. M. POULSON, Box 55, Bedminster, N. J. 12-12

**Now is Your Time to Buy First-class Birds** cheap. I am closing out my entire loft of forty pair of choice squab breeding homers. They are large and very prolific; \$40 takes the lot. Don't miss this opportunity. Also three pair Giant Runts, \$5 per pair. The three pair, \$12. Also four pair White Dragoon, \$4 per pair. S. F. TEN EICH, Hunley, Ulster Co., N. Y. 13-3

### BIRDS

**St. Andreasberg Rollers, \$3.50; Hartz Mountains.** \$2.25; Mexican double yellow heads, guaranteed talkers, \$25 each; parrots not talking, \$3.50 to \$6.50 each. Circulars. DAYTON BIRD STORE, Dayton, Ohio. 12-10

### EGGS

**Eggs for Hatching from Heavy Laying Single-**combed White Leghorns and White Wyandottes. Also Buff Pekin Bantams and White Guineas. Four pair Pea Fowls for sale. THE IDEAL EGG FARM, Waterport, Orleans Co., New York. 13-5

**Eggs for Hatching.** Rose-combed Black Minor- cas; always lay hnt never set; if you want eggs keep this strain; \$2.50 for 13. Address MISS BERTHA A. LEWIS, Voluntown, Conn. 13-5

**Eggs from Any Pure-bred Chickens, \$1 per Set-**ting. Duck, geese, and turkey eggs, matter of correspondence. Circular and price-list. C. A. LAMB, Dayton, Ohio. 12-10

**If You Want Eggs to Hatch Some Fine Layers,** try mine. White and Silver-laced Wyandottes and R. C. Brown Leghorn eggs, \$1 a setting of 15. Address MAPLE LEAF POULTRY FARM, R. 4, Buffalo, Minn. 12-10

**Pure Bred Buff Cochins and Houdan Eggs from** high-class stock. Two dollars for fifteen. E. BRINTNALL, Winthrop, Iowa. 12-10

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Ernest W. Miller, the Live Poultry Supply Dealer of Hagerstown, Md., has added Conkey's line of Poultry Remedies, and will mail, postage prepaid, to any address. Book on Poultry Diseases free. 12-11

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The Diseases of Poultry, by D. E. Salmon, D. V. M., is the only standard and reliable work published in the English language on this important subject. 248 pages and 72 illustrations. Price, 50 cents, post-paid. Address, GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Pocket-money Poultry, by Myra V. Norys. Written particularly for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping, and thoroughly illustrated. Price, 30 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

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"The Feather's Practical Squab Book," by W. E. Rice, is one of the latest additions to The Feather Library. This new book, with its questions and answers, is indeed a treat for squab breeders. It is printed on enameled paper and is profusely illustrated. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

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"Plymouth Rocks," by T. F. McGraw, Contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Wyandottes. This Valuable Volume Was Written by T. F. McGraw. It contains ten colored plates of the several varieties of Wyandottes, and other illustrations in black and white. It is for the benefit of breeders of Wyandottes that this book is issued, and it should prove of considerable value to all interested in these fowls. Prices: Paper, 50 cents; cloth \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Feather's Up-to-date Poultry House. To Be successful with poultry, either for pleasure or profit, depends greatly upon the proper housing of the fowls. The Feather's Up-to-date Poultry-house sets forth a plan of house that can be built at the minimum cost, as well as the cheapest and best way for raising poultry. Price, paper, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

How to Grow Chicks. Another Problem to the Poultrymen is that of growing young chicks. In the little volume just out, by T. F. McGraw, this subject is carefully treated, the troubles to overcome, the proper housing, proper food and manner of feeding, etc., being fully considered. There are a number of very good illustrations in this little volume. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Egg Question Solved. The Solution of the egg question is bound to appeal to all interested in this question. Mr. T. F. McGraw wrote the manuscript for this little volume concerning this problem. It is printed on a good quality of paper, is nicely illustrated, and altogether makes an attractive and valuable little book. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

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Niobrara Farm White, Buff Wyandottes, White, Barred Rocks, White, Brown Leghorns, and S. C. Rhode Island Reds are fine; eggs, \$2; discount on large orders; my stock always satisfy. O. L. BARBER, Canton, N. Y.

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Choice Homers and Fantails, All Colors; Bantams, Golden and Silver Sebrights; Black and White Rose-combed, Buff, Black, White, and Partridge Cochins; plain and blended White Polish and Black Minorca eggs for hatchling. I. S. MILLER, Allentown, Pa. 12-10

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Rose and Single-combed Rhode Island Reds; White and Silver-laced Wyandottes; White Cochins; White Rose-combed Leghorns; Black Minorcas; Black Langshans; Buff Orpingtons; Anconas; all of superior quality. One and two years old; young from all these hatched in March and April. For quick disposal at modest prices. W. L. BUCHANAN, Baltimore, Fairfield Co., Ohio. 12-10

We have received from the Connecticut Agricultural College their bulletin relative to the summer school for teachers and others interested in nature and country life. This sixth annual summer school of this institution will commence July 8, and last till July 31. Tuition in all courses will be free. Every one interested in this should avail themselves of the opportunity so generously offered to all. We wish the summer school a most successful session.

## Catalogues, Circulars, etc. Received

D. F. Strohmeier, R. R. 27, Southport, Ind., circular.

J. S. Martin, Port Dover, Canada, circular and mating list.

The Postmaster Everywhere, St. Clair, Mich., current issue.

Wm. Scott, Bilene, Kans., circular and mating list.

East Side Poultry Yards, LaGrange, Ind., catalog.

Larchmont Farm, Inc., N. D. Rand, Treas., 100 S. Salina St., Syracuse, N. Y., prospectus.

Victor D. Caneday, Taylors Falls, Minn., circular.

Otselc Farms, Whitney's Point, N. Y., catalog.

Capital City Poultry Ranch, Lincoln, Neb., circular.

Chas. A. Cyphers, Buffalo, N. Y., directions for operating Model incubator.

W. O. Butler & Son, La Harpe, Ill., circular.

Maple Dell Farm, Monaca, Pa., catalog.

Jonas Hayner, Livingston, N. J., circular.

Liddon Bros., Inwood, Ont., Canada, circular.

Pool Bros., Fallston, N. C., circular.

G. A. Clark, Seymour, Ind., circular and price list.

Purina Mills, St. Louis, Mo., circular.

H. L. Fike, Meyersdale, Pa., catalog and mating list.

Jos. S. Knapp, 730 Jefferson St., Waverly, Baltimore, Md., circular.

Ralph W. Sturtevant, Delavan, Wis., circular.

F. D. Fowler, Carlisle, Ill., price list.

Ira M. Crowther, Willoughby, Ohio, circular.

Philip S. Bates, Pub. The Pacific Northwest, Portland, Oreg., prospectus.

Peacock Farm, Peacock, N. J., circular and mating list.

C. Fred Ward, Winter Park, Fla., circular.

M. A. Parsons, 803 Wichita Street, Wichita, Kans., circular.

G. E. Ferris, Glenwood Poultry Yards, Poplar Ridge, N. Y., circular.

Breitwieser's Poultry Yards, Buffalo, N. Y., circular.

W. J. Manly, 210 E. Thirteenth Street, Erie, Pa., circular.

American Buff Plymouth Rock Club, C. A. Morton, Chamber of Commerce, St. Louis, Mo., Buff Rock Quarterly.

Plummer McCullough, Mercer, Pa., circulars.

American White Orpington Club, F. S. Bullington, Sec., Richmond, Va., circular.

Louis P. Graham, Glen Olden, Pa., circulars.

Red Feather Farm, Warren, Ohio, catalogue.

We beg to acknowledge receipt of photographs from the following:

The Greystone Poultry Farm, Yonkers, N. Y.  
Dr. Wolf, Bloomfield, N. J.  
G. E. Winters, Westhampton, N. Y.  
Rosa J. Holway, East Sandwich, Mass.  
Homer Davenport, Morris Plains, N. J.  
Chas. Nixon, Washington, N. J.  
James Dunn, Jermy, Pa.  
W. A. Judson, Meshoppen, Pa.  
Geo. B. Edwards, Phila., Pa.  
Watson Westfall, Sayre, Pa.  
W. M. Sawyer, Lancaster, Mo.

## American Pigmy Pouter Association

We have a report of the meeting of the American Pigmy Poultry Association from Mr. E. C. Duffy, secretary-treasurer. This meeting was held in New York City January 3 last. The points of interest to our readers will be that the officers of 1906 will continue to serve during 1907, that a greater effort than ever before will be made to secure specials for the coming winter meet, and that there seemed to be a disposition among the members present to have the next Pigmy Club meet in the West. In connection with this we wish to offer in Mr. Duffy's favor the fact that both fire and death have stood in his way of doing more than he has for the club since the January meet. Conditions look brighter now, however, and promise better things all along the line.

## Questions and Answers

Q. Will you kindly tell me in your next issue which is the proper side of a poultry house for a lot, the front or rear? The house fronts to the south, and is on a gradual slope.—F. O. L.

A. It is always best to have the yard or run-way on the south side of the building. In your case the front of the building is to the south and the natural slope of the ground away from the house makes this of advantage in having the lot or run-way on that side.

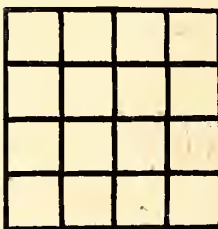
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Can you count the squares in the figure opposite? It looks easy at first, but it takes quite a little insight and skill. There are a lot more squares in the figure than you would at first ever suppose. For instance, there are sixteen little squares to begin with; then there is the big square itself, on the outside of the figure—and a lot of other squares, too, if you are shrewd enough to find them.

This puzzle looks simple, but if you can make out as many as seventeen squares, send in your list at once—immediately—for the first prize winner may not secure more than that many.



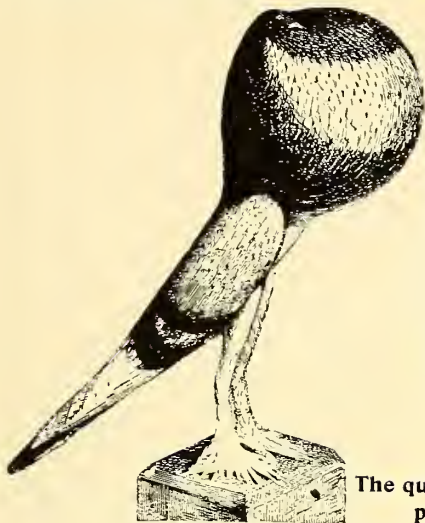
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solution of the largest number of squares we will give \$25.00 in cash; to the second largest number, \$10.00 in cash; to the third, \$5.00; to the next five, \$1.00; the next ten, 50 cents each. Furthermore, there are no conditions whatever connected with the contest. When "ties" occur for prizes, such prizes will be divided between the contestants who may be "tied." If you count the squares best, you are absolutely sure of winning something, therefore send in your count at once—to-day.

We give away this money expressly to introduce William Randolph Hearst's great new monthly periodical, HEARST'S AMERICAN HOME MAGAZINE. Therefore no money is required from you whatever, as we make this offer in order to secure your address and to send you—absolutely free—a beautiful copy of what Mr. Hearst intends shall be the greatest high-class magazine of its kind ever published. This contest, consequently, is absolutely without restrictions of any nature. Therefore, send in your solution at once—to-day—it costs you nothing, and, in addition, we will show you how you can also take part in another contest which we are conducting, in which there will be distributed monthly \$1,075.00 in cash and special prizes. Address HEARST'S AMERICAN HOME MAGAZINE, 2572 Eighth Ave., New York City



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PAIRS FROM \$3 UP

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The quality is here. The opportunity for such purchase does not often present itself.

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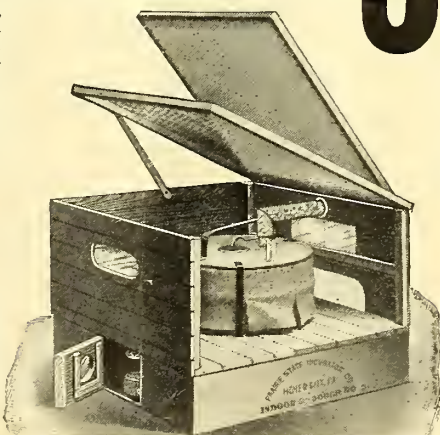
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If you have not investigated the No. 5 you ought to get busy because it is one of the most satisfactory brooders ever made. It is portable making it desirable for use in any kind of a poultry house or as a colony house on the open range without any change. Being enclosed (see cut) it can be used as an individual lamp brooder in colder localities than the plain Universal Hoyer can be alone. Top is covered with a removable Cloth Screen instantly changing it from a winter to a summer brooder. Hoyer lifts out making it easy to clean. Consumes but little oil; supplies abundant ventilation even in hottest weather; top affords sun shade. We can't tell all its good features here—

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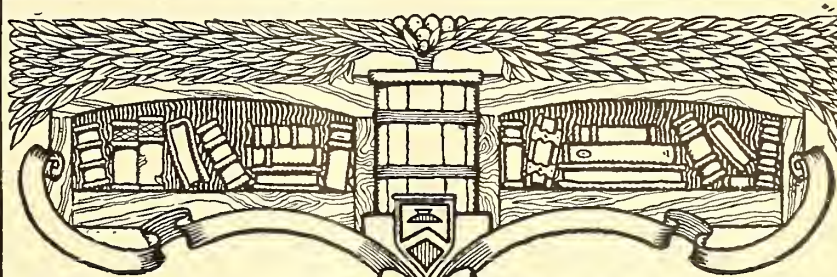


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Prices: Paper, 50 cents; Cloth, \$1.00.

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THE Feather's Practical Pigeon Book," by J. C. Long, is superbly printed on calendered paper, and illustrated with a half hundred fine half-tones. This book is credited with being the best and most practical book published on breeding and raising all kinds of pigeons. No library or home of a pigeon fancier is complete without it. The illustrations are said to be the finest and most accurate ever drawn.

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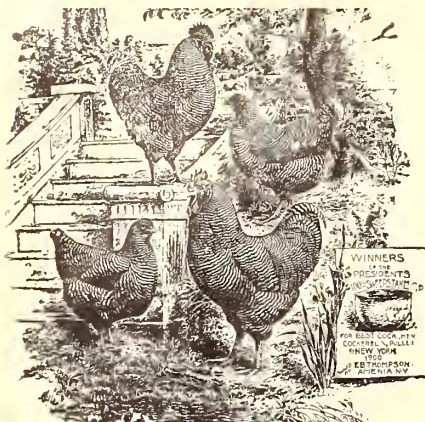
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August, 1907



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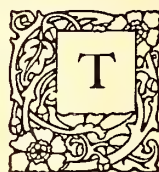


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## Contents

### FOREWORD.

THE ASIATIC BREEDS. Brahmas, Cochins, and Langshans.  
THE AMERICAN BREEDS. Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, and Buckeyes.  
THE MEDITERRANEAN BREEDS. Leghorns, Minorcas, Spanish, Andalusians, and Anconas.  
THE ENGLISH BREEDS. Dorkings, Red Caps, and Orpingtons.  
THE POLISH BREEDS. Bearded Golden, Bearded Silver, and White-crested Black.  
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THE FRENCH BREEDS. Houdans, Crevecoeurs, and La Fleche.  
GAMES. Black-breasted Red, Brown Red, Cornish Indian, and Black-breasted Red Malay.  
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TURKEYS. Bronze and Narragansett.  
WATER-FOWL. Toulouse, White Embden, and African Geese, Pekin, Rouen, and Indian Runner Ducks.  
Other illustrations to be added.

## Illustrations

ASIATICS—Light Brahma male and feathers. Light Brahma female and feathers. Dark Brahma male and feathers. Dark Brahma female and feathers. Buff Cochlin male and female and feathers. Partridge Cochlin male and feathers. Partridge Cochlin female and feathers. Black and White Cochins. Black and White Langshans.

AMERICAN—Barred Plymouth Rock male and feathers. Barred Plymouth Rock female and feathers. White and Buff Plymouth Rocks. Golden-laced Wyandotte male and feathers. Golden-laced Wyandotte female and feathers. Silver-laced Wyandotte male and female and feathers. White and Buff Wyandottes. Partridge Wyandotte male and feathers. Partridge Wyandotte female and feathers. Silver-pencilled Wyandotte male and female and feathers. Mottled Java male and feathers. Mottled Java female and feathers. Black Java male and female. Rose-combed Dominique male and feathers. Rose-combed Dominique female and feathers. Single-combed Rhode Island Red male and female and feathers. Rose-combed Rhode Island Red female and feathers. Buckeye male and female and feathers. Buff and single-combed White Minorcas. Rose and single-combed Black Minorcas. Rose and single-combed White Ancona male and feathers. Ancona female and feathers. Ancona male and feathers. Ancona female and feathers.

ENGLISH—White Dorking male and feathers. White Dorking female and feathers. Silver-gray Dorking male and feathers. Silver-gray Dorking female and feathers. Colored Dorking male and feathers. Colored Dorking female and feathers. Red Cap male and feathers. Red Cap female and feathers. Single-combed Buff Orpington male and female. Rose-combed White Orpington male and female. Jubilee Orpington male and feathers. Jubilee Orpington female and feathers. Single-combed Black Orpington male and female. Polish—Bearded Golden Polish male and feathers. Bearded Silver Polish female and feathers. White-crested Black Polish male and female.

HAMBURG—Silver-spangled Hamburg male and feathers. Silver-spangled Hamburg female and feathers. Silver-pencilled Hamburg male and feathers. Silver-pencilled Hamburg female and feathers. FRENCH—Houdan male and feathers. Houdan female and feathers. Crevecoeur male and feathers. Crevecoeur female and feathers. La Fleche male and feathers. La Fleche female and feathers.

GAMES—Black-breasted Red Game male and feathers. Black-breasted Red Game female and feathers. Brown Red Game male and feathers. Brown Red Game female and feathers. Cornish Indian Game male and feathers. Cornish Indian Game female and feathers. Black-breasted Red Malay male and feathers. Black-breasted Red Malay female and feathers.

BANTAMS—Silver Sebright Bantam male and feathers. Silver Sebright Bantam female and feathers. Black-tailed Japanese male and feathers. Black-tailed Japanese female and feathers. Red Pyle Game Bantam male and female. Duckwing Game Bantam male and female. Rose-combed White Bantam male and female. Rose-combed Black Bantam male and female. Light Brahma Bantam male and female. Dark Brahma Bantam male and female. Partridge Cochlin Bantam male and female. Buff Cochlin Bantam male and female.

TURKEYS—Bronze male and female. Narragansett male and female. WATER-FOWL—Toulouse male and female. White Embden male and female. African male and female. Pekin drake and duck. Rouen drake and feathers. Rouen duck and feathers. Indian Runner male and female and feathers. Other illustrations to be added.

MEDITERRANEAN—Single-combed Brown and White Leghorns. Rose-combed Brown Leghorn male and feathers. Rose-combed Brown Leghorn female and feathers. Silver Duckwing Leghorn male and feathers. Silver Duckwing Leghorn female and feathers. Rose and single-combed Black Minorcas. Rose and single-combed White Minorcas. White-faced Black Spanish male and female and feathers. Andalusian male and feathers. Andalusian female and feathers. Ancona male and feathers. Ancona female and feathers.

ENGLISH—White Dorking male and feathers. White Dorking female and feathers. Silver-gray Dorking male and feathers. Silver-gray Dorking female and feathers. Colored Dorking male and feathers. Colored Dorking female and feathers. Red Cap male and feathers. Red Cap female and feathers. Single-combed Buff Orpington male and female. Rose-combed White Orpington male and female. Jubilee Orpington male and feathers. Jubilee Orpington female and feathers. Single-combed Black Orpington male and female.

POLISH—Bearded Golden Polish male and feathers. Bearded Silver Polish female and feathers. White-crested Black Polish male and female. HAMBURG—Silver-spangled Hamburg male and feathers. Silver-spangled Hamburg female and feathers. Silver-pencilled Hamburg male and feathers. Silver-pencilled Hamburg female and feathers.

FRENCH—Houdan male and feathers. Houdan female and feathers. Crevecoeur male and feathers. Crevecoeur female and feathers. La Fleche male and feathers. La Fleche female and feathers.

GAMES—Black-breasted Red Game male and feathers. Black-breasted Red Game female and feathers. Brown Red Game male and feathers. Brown Red Game female and feathers. Cornish Indian Game male and feathers. Cornish Indian Game female and feathers. Black-breasted Red Malay male and feathers. Black-breasted Red Malay female and feathers.

BANTAMS—Silver Sebright Bantam male and feathers. Silver Sebright Bantam female and feathers. Black-tailed Japanese male and feathers. Black-tailed Japanese female and feathers. Red Pyle Game Bantam male and female. Duckwing Game Bantam male and female. Rose-combed White Bantam male and female. Rose-combed Black Bantam male and female. Light Brahma Bantam male and female. Dark Brahma Bantam male and female. Partridge Cochlin Bantam male and female. Buff Cochlin Bantam male and female.

TURKEYS—Bronze male and female. Narragansett male and female. WATER-FOWL—Toulouse male and female. White Embden male and female. African male and female. Pekin drake and duck. Rouen drake and feathers. Rouen duck and feathers. Indian Runner male and female and feathers. Other illustrations to be added.

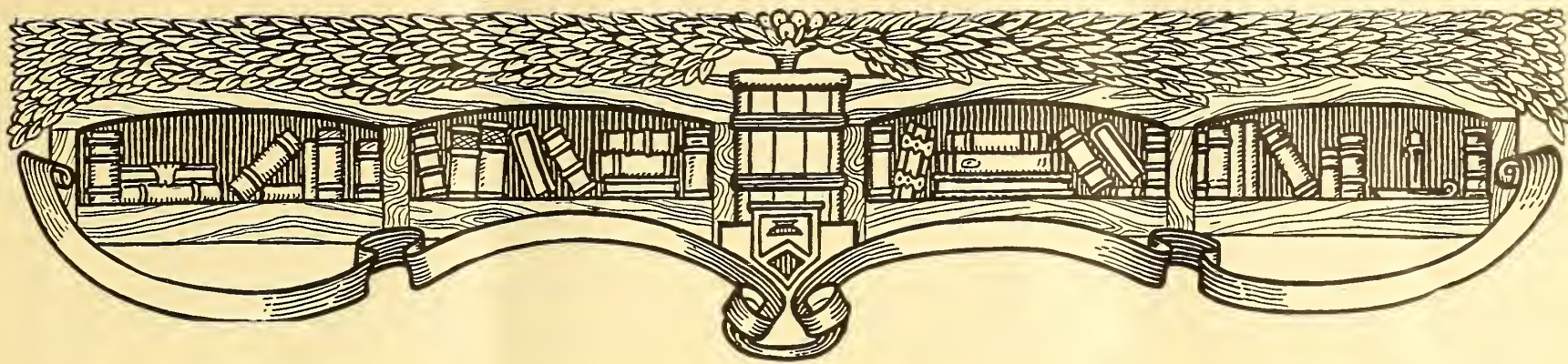
To EVERY ONE who in any way is INTERESTED in THE PERFECTED POULTRY OF AMERICA this book is respectfully dedicated

The first edition of this great book will be issued on Sept. 1, 1907, and advance orders will be filled in rotation

The book is printed on heavy plate paper and is handsomely bound in cloth, and THE PRICE IS \$2.50 a copy, post-paid. Make all orders and remittances to

Geo. E. Howard, Publisher, 714 Twelfth St. N. W., Washington, D. C.





## The Editor Entertains



ATURDAY, July 6, Mr. Geo. E. Howard entertained all his employees and a few of his friends, numbering in all about two hundred and fifty, at a picnic luncheon given at Friendship Heights, the summer home of the editor of THE FEATHER.

Three special trolley cars carried the merry throng over the Rockville route to Friendship Heights, just over the District line in Maryland. A short walk from the trolley station brought us to the beautiful farm nestled away among the hills and forests of that locality. The entertainment was of the highest character. A section of the Marine Band enlivened

## SHOP TALK



HE compliments that have poured in upon us congratulating THE FEATHER on having presented the beautiful cover page of the Barred Plymouth Rocks in June, and the swans in July, all agree that these were works of art more than complimentary to the artist and THE FEATHER.

The cover page of the THE FEATHER is open to any who may wish to have their stock illustrated in like manner. Some of the winter months have already been claimed. If you are anxious to have your stock illustrated in this way, write at once for full particulars. The cost is very moderate when the value gained therefrom is considered.

The plan of procedure is to select the month, send the birds to be illustrated, and we do the rest. Those who have used our pages in this way are high in praise of results obtained. Doctor Andruss writes that he has sold birds in several countries as the result of his front cover page illustration.

Photographs are being received and filed away to be opened the 1st of December, the date of expiration of the contest. A few responses have been received suggesting subjects in answer to our request in the May and June issues. Look up your copies of the May and June FEATHER and study the offers made therein.

The September issue will be devoted to the Silver-laced Wyandotte and the type best suited to all varieties of the Wyandotte family. This will close the articles on Science of Breeding relative to the Wyandotte. Following this we expect to take up the Plymouth Rock family.

Thousands of our subscribers consider the articles on Wyandottes published since January 1 worth many times the value of a year's subscription. Those which follow will be worth a small fortune to the amateur and fancier alike. Every one should subscribe for the THE FEATHER—three years for One Dollar.

ard Baseball Club, the unvanquished team of the printers' organization of the Capital City. We notice the fact mentioned in a recent issue of White's Class Advertising that they claim to have the champion team of its kind in Chicago. Bring them to the Capital City, Mr. White, and let them cross bats with our boys if you wish to see the balls slide awindward and the runs marked up for our favorites.

### Our Illustrations

The illustrations in the July issue were made by Mr. Lee Pitchlynn and our own camera. Others are mentioned in the type matter of the paper. The illustrations in this issue have been contributed by Mr. Homer Davenport, Country Life in America, Cyphers Incubator Company, Chas. A. Cyphers, and our own artist and camera.

The front cover page of the Argus Pheasant was made from a photograph furnished us by the Smithsonian Institute and worked up by our artist. These

photographs are sold by the Smithsonian Institute people. They are not for gratuitous distribution. They are an expensive proposition that must be paid for. We can point with pride to the July and August issues. We do not know where the little original came from from which we produced the cover page for July, nor can we trace the original donor of the photograph of Whooping swan. If we could, we would give them full credit.

### Alexandria Egg Producers

The pen of thirty-five fowls belonging to Mr. Starnell, of Alexandria, Va., written about in our May issue, has produced eggs as follows:

During the month of May, 731; during the month of June, 619; from July 1 to 15, 137. This lot of thirty-five hens has produced from October 1 last, up to July 15, 6,439 eggs, or an average of 184 per hen.

## Photographic Contest

We want you to send us some beautiful photos during the coming month. We offer cash prizes for them. None of the photos are to be less than 2 by 3 inches, and preferably on solio paper. If printed on other kind of paper, we prefer it to have a smooth enamel finish. All photos submitted are to become our property. This contest is to extend from May 1 to November 30, 1907. Each lot of photos submitted must be placed in an envelope marked plainly on the outside "for THE FEATHER'S Photographic Contest," and have the name and address of the sender thereon. We reserve the right to reject undesirable photos and to select the winners. The prizes to be offered are as follows:

Three dollars for the best photo of hen with chicks.

Three dollars for the best photo of group of half-grown chicks.

Three dollars for the best photo of group of old fowls.

Three dollars for the best photo of pair of old fowls.

Three dollars for the best photo of single bird.

Two dollars for second-best photo in each of these classes.

One dollar for third-best photo in each of these classes.

Poultry, turkeys, ducks, geese, and bantams are all eligible for competition.

No photos received will be considered in competition unless they are enclosed in an envelope and marked as above described, nor will any be considered in competition that have been published in any paper, book, or magazine. All photos are to become our property for exclusive use in our publications.

Photographs made by any one may be submitted, providing the consent of the photographer is obtained by the sender. No prize award will be paid to any one not a subscriber to THE FEATHER. Only subscribers to THE FEATHER are to be considered in placing the awards. The awards having been made by us, no appeals will be heard.

We will pay five dollars to the person who sends us the best suggestion for an illustrated article to be used in future issues of THE FEATHER. Suggest the title for the article and outline your idea. We will write the article and furnish the illustrations. Our selection of the winner is to be final.

"Herewith enclose draft to cover attached invoice. Accept my thanks for placing my advertisement as you have. Received several inquiries before I received copy. I like your paper very much"—J. W. Somers.



A COZY NOOK, FRIENDSHIP HEIGHTS FARM

the occasion with beautiful music. The picnic luncheon spread on the banks of the beautiful little stream that winds its way through the farm, was the first attraction of the occasion. Following this came a game of ball by the Howard Baseball Club, the champions of Washington. A careful inspection of the farm revealed beautiful poultry, the best of water fowls, cows, pigs, and farm horses, all of which were pleasantly mentioned in a little souvenir given to each guest.

This entertainment is in line with the policy of Mr. Howard, who entertains his entire force with a Christmas Day luncheon each year, when music, dancing, and social enjoyment is indulged in, all of which adds to the pleasure of living.

Among the organizations that the employees may well be proud of is the How-



The mid-summer meeting of the American Poultry Association will be held at Niagara Falls, August 13, 14, and 15. For the benefit of those who gather there a most interesting program has been arranged for each day. The professors of the poultry departments of the agricultural colleges of Canada, New York, Connecticut, and other states have been invited to address the meeting. Never before has there been such an opportunity to gain the best of information in such a pleasant way and in such an attractive locality.

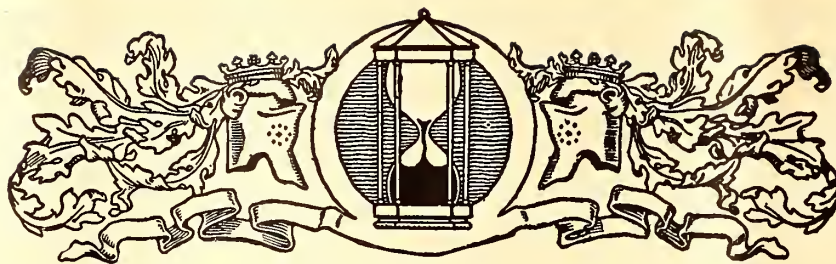
The railroads of the country have been solicited to give special rates from all directions leading to Niagara Falls. Ask your station agent at once if he has received any directions about this. The hotels at Niagara Falls will all make special rates to those attending the convention. The program of the day has been so arranged as to permit visiting all attractive places near the Falls between the hours of the meeting. It is hoped that every one interested in poultry who can possibly do so will be in attendance at this meeting.

It is unnecessary to say more than this. The programs have been published broadcast. Any one who will address Mr. Grant M. Curtis, Buffalo, N. Y., will receive a program of the entire proceedings of the meeting. We trust that every one will do his part to make this the greatest meeting ever held, for by doing so the best interests of the poultry business will be advanced.

The consideration of all the new features of the management of the association will be carefully gone over at this meeting. Every one in the world who is interested in poultry is invited to send in his suggestions for consideration. Do not hesitate to do this because you are not a member. A non-member will have the most considerate attention at the hands of the meeting.

We are very anxious that all our readers should remember the Great Hagerstown Fair, which will be held at Hagerstown during the week of October 14; also that the Jamestown Exposition poultry display will open the week following. Through the courtesy of the latter their dates were changed to the week following Hagerstown. Those who exhibit at Hagerstown can ship direct from there to the Jamestown Exposition in plenty of time for the opening of that display. The poultry department of the Jamestown Exposition will be under the management of Mr. John A. Murkin, Jr., Nashville, Tenn. Mr. Murkin is also interested in the Tennessee State Fair display at Nashville, September 23, and invites all interested in poultry to address Mr. J. W. Russwurm, general manager, State Fair Association, Nashville, Tenn., for the premium list of that fair. All our readers know that a postal card addressed to the Great Hagerstown Fair, Hagerstown, Md., will bring them a catalogue about that occasion.

We call attention here to the fact that the Hagerstown Fair this year promises to be greater and better than ever before. Great efforts have been made to increase the attendance and to improve the attractions as well as the winnings offered. Every one should remember Hagerstown for the week of October 14.



## THE FEATHER

Volume XII

AUGUST, 1907

Number 11

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

Single Copies, 5 cents.  
Domestic Subscription, 50 cents a Year in Advance.  
Canadian Subscription, 75 cents a Year in Advance.  
Foreign Subscription, \$1 a Year in Advance.  
Subscriptions in the District of Columbia, 75 cents a Year in Advance.

ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

Entered at the post-office at Washington, D. C., as second-class matter.

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**The HOWARD PUBLISHING CO.**

714 Twelfth Street N. W.

Washington, D. C.

The Great Allentown Fair, poultry department under the superintendency of W. Theo. Wittman, has grown to surprising magnitude. Every one interested in poultry should send for the catalogue of the Great Allentown Fair, Allentown, Pa., so as to be in time to make their entries before the end of August. Allentown, Hagerstown, and the Jamestown Exposition poultry displays will be the great features this fall.

New York will open the ball with a poultry exhibit at the State Fair, to be held at Syracuse the first week of September. Secretary Schaver, Albany, N. Y., is ready to mail the catalogue of the New York State Fair to all who will send a request for it.

One of the most progressive of the fraternity is Mr. Frank B. White, president of White's Class Advertising, who has been appointed a member of the Publicity Committee of the National Corn Exposition, at Chicago. Mr. White and White's Class Advertising are identical. The business of this organization having outgrown its former home, they have moved to No. 118 West Jackson Street, Chicago, into what is known as the Electric Building. An entire floor in this vast building has been equipped for the business of White's Class Advertising, and for the extension of their special service system. All poultry publications and the entire advertising world, as well as the advertising agencies, we feel satisfied, will join in wishing this organization the greatest success.

Some years ago in Pennsylvania a poultry farm was started, having in view the purpose of serving fresh-laid eggs of the highest quality to private customers. This failed through not following the original intent. There is now in operation, at Aurora, Ill., the Locust Lawn Farm, for the purpose of furnishing sci-

entific eggs, or in other words, it is the intention of this farm to furnish fresh-laid eggs from fowls that have been scientifically fed for the production of the best eggs for table purposes that it is possible to procure.

In the July issue we stated briefly our information relative to the "Chicken Law" as it is known in the District of Columbia. Through the determined and continued efforts of some of the ardent fanciers in the District this law was followed into the courts until finally a decision was rendered by Judge Mullowny, of the District Police Court, pronouncing the law unconstitutional from the fact that it was in the nature of class legislation. Whether an appeal from his judgment will be taken or not is uncertain. The fanciers as well as the members of the Health Department will be pleased at a final settlement of this matter. We always doubted the legality of a law like this, which compelled people to ask their neighbors whether they might keep a few fowls or not.

The trouble seemed to be that some were disturbed in their morning slumbers by the crowing of the male birds. If it were generally known that as many or more eggs would be produced by the hens with the male birds away, it would be only necessary to keep the male birds of the flocks such a short time each season as not to disturb any one, but it seems a very strongly drawn line when people will have a law passed to prevent the keeping of poultry when we must be so disturbed by the howling of cats, barking of dogs, and pounding of badly tuned musical instruments at all hours of the day and night.

A careful study of the little map that appeared in the July issue, showing the circulation and advertisers of THE FEATHER will be interesting to our read-

ers. Our large increased circulation over a year ago, the active newstand demand, and the great increase of popularity and value of the advertising columns make it possible for us to advance our rates a little, and yet be under the price charged for other papers that do not have a circulation nearly as large as ours. Beginning with October 1, the following advertising rates will be charged for those who use our advertising columns. Contracts made prior to October 1 can be made at the present rate.

The advertising rate in THE FEATHER is 15 cents per line, fourteen lines to the inch, \$2.10 per inch per insertion.

Discounts—Two per cent. discount for three months' payment in advance; 5 per cent. discount for six months' payment in advance; 10 per cent. discount for one year's payment in advance.

Classified ad rates in THE FEATHER are as follows: Twenty-five (25) words or less, one time, \$1; three times, \$2; six times, \$4; twelve times, \$7. Additional words at the rate of 4 cents each for one insertion, or 3 cents each for each insertion when run three times or more. Payable in advance.

Special positions ten (10) per cent. additional.

No discount on class ads.

Forms Close—THE FEATHER forms close the 20th of the month previous to date of publication.

A letter just received from W. T. Wittman, superintendent of the Allentown Fair, announces the fact that the total amount of cash and cup specials will be close to \$2,500 at the Allentown Fair. Some \$50 and \$75 cups will be offered. This is the greatest lot of cash and cups, we believe, ever offered at a fair of this kind. Look up the advertisement in this issue and send for the premium list at once.

Mr. Geo. E. Howard, president of the Washington Show, is reviving the interest among the fanciers hereabout, and everything points to a larger show than ever the coming winter. Mr. Edw. S. Schmid, the treasurer of the association, is lending his aid to the furtherance of the winter show, at the same time planning to care for the large consignments of parrots, canaries, foreign and native birds, that are constantly coming to his store to be added to his always full supply. Mr. Schmid has a beautiful catalogue about birds and all their belongings. Every one who is interested in birds, pets, and appliances should send to Mr. Schmid for one of these catalogues. They are beautifully illustrated, and tell all about birds, aquaria, etc.

Mr. Samuel Steinmetz, the "wheel horse" of poultry show success in Washington, has been ailing ever since the last Washington show. It is a pleasure to be able to report his recovery. We know that his many friends throughout the country will join with us in congratulating "Samuel" on his recovery. We are also pleased to state that his bantams are doing better than usual this year.

Secretary Hicks and his assistant, Mr. Waters, are planning for a great Washington show, and growing some nice birds on the side to win the blue ribbons the coming winter. Every one should make preparations to come this winter to the Washington show.





**DEVELOPING FOOD**  
(SMALLER BRAND)  
100 LBS.  
PREPARED BY  
CYPHERS INCUBATOR CO.  
BUFFALO, N. Y.  
U. S. A.

## POULTRY SUPPLIES

### MANUFACTURERS

#### Factory and Mill List

**SPECIAL THIS MONTH**

Lice-Killing Powders and Liquids

Chick Food

Chick Shelters

Portable Poultry Houses

Incubators and Brooders

Developing Food

Laying Food

Scratching Food

Bone Cutters

Roofing Paper

Portable Houses

Shipping Coops

Egg Packages

Egg Preservative

Chick Markers

Poultry Remedies

Disinfectants

Fumigating Candles

Full-Nest Egg Food

Grit and Shell Boxes

Drinking Fountains

Dry Food Hoppers, etc.



**Cypher**  
LICE POWDER

Send for our Free Illustrated Catalogue of all Poultry Supplies.

Address nearest office.

**CYPHERS INCUBATOR COMPANY,**  
Buffalo, N. Y., Chicago, Boston,  
New York City, Kansas City,  
Oakland, Cal., and London, England.  
7000 Dealers in United States and Canada  
Sell Our Goods. Ask at your store.

**EATON'S FAMOUS POULTRY FOODS**

CHICK	SCRATCH	MASH
LIFE SAVER	CLIMAX	PERFECTION

Ask your dealer, or write R. D. Eaton Grain & Feed Co., Norwich, N. Y. Mention this paper.  
13-5

## THE OAKS

Eggs for spring hatching booked now if accompanied by the cash. Get in line and get the best. Nothing better than my "finest on earth" White Rocks, and Col. Wyandottes. Eggs this season have been reduced to 15 for \$1.50, excepting my exhibition pen of Plymouth Rocks; they are \$5. When you get mine you get the best. Send for my circular, its worth dollars to you, but is free.

**Clarence F. Bruton,**  
Box 337, Sikeston, Mo.  
13-5

## Gapes, Limber Neck, and Bowel Trouble in Chicks



YOUR attention has been called quite frequently of late to the ailments referred to in the headline of this article. Mr. U. R. Fishel, of Hope, Ind., has had great experience in poultry growing, and has compiled formulas from which he prepares remedies for the cure of all these ailments. We have carefully read the circular that Mr. Fishel sends out relative to these remedies. We think it advisable for all our readers who have been troubled with the above ailments in their chicks to send to Mr. Fishel for one of his catalogues that tells of these remedies.


We invited Mr. Fishel to write us a short article relative to these ailments. His answer to this request is published here for the benefit of our readers:

"No doubt the very worse disease little chicks can have after we get them beyond the bowel-trouble age is gapes. For years this dreaded disease caused me many an hour's work, but, fortunately, I have found a remedy which is a positive preventive of gapes. I hesitated about putting the remedy on the market for fear breeders would doubt the work it would do, but for the past three years we have

been sending it to all parts of the United States, and those who use the remedy one season are never without it afterward. What causes gapes has been explained time and time again. No need to go over the matter again.

"Limber neck, the new disease that kills thousands of fowls every summer or early fall, is one of the most fatal diseases poultry are subject to. This is started by the fowls eating decayed animal or vegetable matter. I have known farmers to burn as much as a wagon load of fowls in one night from this dreaded disease. The best preventive is cleanliness in and around the farm or poultry yard.

"Bowel trouble in little chicks, the disease that robs the United States of millions of dollars every year, is a disease of which no one can tell either the cause or how to prevent its appearance. Some say the chicks became too warm, others say they became chilled, others say the eggs were not cooled enough, while others say they were cooled too much. So where are we? Any of the above causes will create this trouble, and sometimes it comes from none of them. I heard a prominent poultryman ask the president of the largest incubator factory in the world what caused bowel trouble in chicks, and he answered him, 'I wish I knew.'"



### POULTRY SNUFF.

A quick, cheap and sure way of ridding your hens and their houses of lice and mites. Absolutely harmless to Poultry. Also kills insects on plants. 1 lb. by mail, 30 cents; 5 lbs. by express prepaid, \$1.00.

Write for our Catalog of "Sent-by-Mail" Poultry Supplies.

**STAPLER'S** 414 FERRY ST. Pittsburgh, Pa.

**JOHN WHARTON**  
**HONEYCOTTE, HAWES**  
Yorkshire, England

Will be pleased to purchase fowls of all kind for you in England.

Reference, this Paper

tf

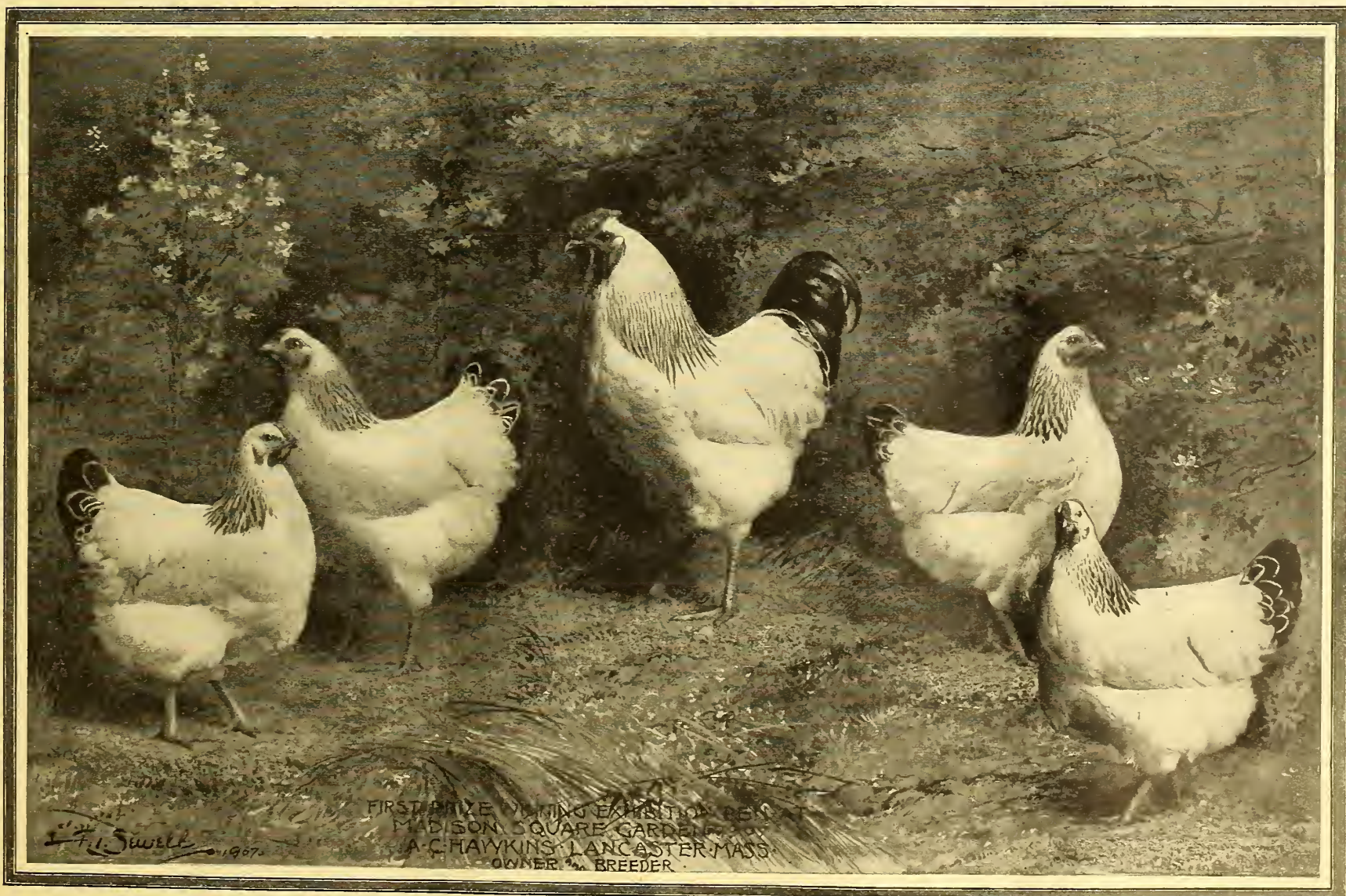
**SUCCESSFUL POULTRY JOURNAL**  
FRANK HECK, EDITOR.

Subscription Price 50c Per Year.  
Write for Advertising Rates.

The most prominent and successful practical poultrymen write for the "Successful Poultry Journal," and tell how they build their houses, mate their fowls, manage their incubators, feed both young and old, and, in fact, tell how they succeed and make money. Send for sample copy.

**Successful Poultry Journal**

355 Dearborn Street, Chicago, Ill. tf



FIRST PRIZE YOUNG EXHIBITION PEN  
MADISON SQUARE GARDEN  
A. C. HAWKINS, LANCASTER, MASS.  
OWNER & BREEDER



**SQUABS** We sold more breeding stock in 1906 than any previous year. We think 1907 will be even better. We were first; our birds and methods revolutionized the industry. The famous PLYMOUTH ROCKS are the largest and most prolific Homers. Letters like these come every day: (Oct 8, '06) 'Nins months ago I bought of you four pairs of extra Homers. I had to move them twice to make room. Have now sixty first-class Homers. By studying your manual carefully I have not lost a bird. A friend of your Homers. W. I. MacRey.'

We have thousands of such letters. Send for our printed matter. Start small, go slowly and learn the business. The new law in Mass. and N.Y. forbids the sale of quail except in Nov. and Dec. Squabs have been increasing in price, and are going higher.

**PLYMOUTH ROCK SQUAB COMPANY,**  
334 Howard Melross, Mass.

**GINSENG** Will clear you over \$200 persquare rod. Easily grown. Roots and seed cheap. Book "D" free.  
12-12 T. J. STOUT, EDINBURG, IND.

**Homers for Squab Breeding**  
To make room for my young birds, I must dispose of 50 pair of extra large, Mated Homers. All banded and breeding at the present time. \$2.00 per pair or \$75.00 for the lot. Circular free.

**PASSAIC SQUAB COMPANY**  
Passaic, N. J. 13-1

**Colored Leg Bands for Poultry, Pigeons**  
Identify your birds at sight, it pays  
12 for 25c, 53 for 85c, 100 for \$1.50  
Catalogue and samples for 2-cent stamp

**A. P. Spiller, Beverly, Mass.**  
Dept. F 2-11

**SQUAB RAISING** **ANTWERP HOMERS SEAMLESS BANDED**  
are the best Squab Breeders. Seamless bands on birds are a certificate of age that can not be altered or removed without destroying either the band or date when hatched. Young breeders are profitable, old ones an expense. Seamless Banded Antwerp Homers, one to three years old, five pairs, \$10; ten pairs, \$18; twenty pairs, \$34; fifty pairs, \$80; one hundred pairs, \$150. Aged or unbanded birds, half price. All charges prepaid, free aboard express New York. Sale delivery guaranteed; deaths on transit replaced on return of band.

Birds will not be shipped C. O. D., but orders placed with any express agent in America will be forwarded through express company's foreign department, or remit by money order to

**J. L. MacDANIEL, 18 A, Boite 460**  
Antwerp, Belgium tf

**ALUMINUM PIGEON BANDS.**  
Seamless and open. 12, 20cts, 100, \$1.00.  
Sample for stamp.

13-2 HARRY E. BAIR, D. F., Hanover, Pa.

Rose and Single-comb R. I. Reds. Two thousand youngsters for sale, free from all disqualifications, first-class breeding stock, October delivery. \$7.50 per trio. Orders filled in rotation. One-third purchase price to accompany order. CHAS. C. REID, Olentangy Poultry Yards, Delaware, Ohio. 13-2

**ORNITHOLOGY'S WONDER GERMAN BARE NECKS**  
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## Recipes for Whitewash



WE HAVE had many requests from this country and Canada for the recipe for Government whitewash. We give below the recipe for what is known as Government whitewash, also several other recipes used for different kinds of work, for instance, Formula No. 1, used for interior purposes, Formula No. 2, for either interior or exterior work, the Government whitewash and Formula No. 3 for general outside work:

The Government recipe for whitewash is as follows:  
Slake half a bushel of quicklime with boiling water, keeping it covered during the process. Strain it and add a peck of salt, dissolved in warm water, three pounds of ground rice put into boiling water and boiled to a thin paste, half a pound of powdered Spanish whiting, and a pound of clean glue, dissolved in warm water; mix these well together, and let the mixture stand for several days. Keep the wash thus prepared in a kettle or portable furnace, and put it on as hot as possible, with either painters' or whitewash brushes.

### FORMULA NO. 1

To each peck of lime, while in the process of slacking, pour over one pint raw linseed oil. After the lime has become thoroughly dissolved, reduce with water to the proper consistency, and add one pint of rock salt for each peck of lime.

### FORMULA NO. 2

To each peck of lime, after mixed to the proper consistency, glue water is added, made as follows: One pound of good quality ground glue thoroughly dissolved and mixed into this amount of

wash; one pint of rock salt used the same as above.

### FORMULA NO. 3

Take one bushel rock lime, slake same with water. While hot reduce to the proper consistency, continually stirring with a paddle. Add to this four pounds of rock salt, two pounds of dissolved glue and a small amount of bluing, the same as is used in the bluing of clothes. This small amount of bluing is intended to clear or whiten the wash.

Where yellow-colored whitewash is needed, dissolve copperas in water and mix in with the white-wash to make the desired color. The yellow color does not show until the wash has become thoroughly dried.

We were informed by the heads of the department that Formulas No. 1 and 2 were constantly in use in the Government buildings. Formula No. 3 is not authentic nor vouched for by the department. The recipe for Government whitewash was furnished us by the Country Gentleman.

We have received the following from the Deming Company, Salem, Ohio, who claim this to be the formula for whitewash used on United States forts and lighthouses:

Half a bushel of unslaked lime, slake in warm water, cover it during the process to keep in the steam, strain the liquid through a fine sieve or strainer; add a pack of salt previously dissolved in warm water, three pounds of ground rice boiled to a thin paste, and stirred in boiling hot; half pound of powdered Spanish whiting and a pound of glue, which has been previously dissolved over a slow fire; add five gallons hot water to the mixture, stir well, and let it stand for a few days, covered from the dirt; strain carefully and apply with a Deming spray pump. It should be put on hot.

## Prosperity or Failure

Nothing succeeds like success; those who have prospered are always held up as samples to others. Good fortune comes in several different ways. Some have success heaped upon them, often unsought and but little deserved; others continue to labor for years and fail, often from lack of opportunity. However, when failure comes through neglect, there can not be any reasonable excuse offered. As an example, an acquaintance placed two hundred young chicks in a brooder built for fifty. The first twenty-four hours one-fourth of the whole lot were smothered to death. To remedy this fault the lid of the brooder was partially raised and left open during the second night. In the morning every young chick was dead, their throats having been cut by rats, it was presumed. Another attempted to winter 216 hens in a house ten by twelve, in which they were often confined for days at a time during bad, snowy weather. Few eggs were laid by these hens, and these few

were usually eaten by them, and the owner of these fowls, notwithstanding that he had read many times that each fowl should have at least four square feet of floor space, blamed the chicken business and not himself. Another very enthusiastic poultryman complained of his inability to gain more than an average of six eggs per month from his laying hens. His complaints were based upon the fact that he had done everything possible for the hens, and they did not produce a 20 per cent. egg yield during January, February, and March, notwithstanding the fact that a woman fancier near by who possessed three hundred Brown Leghorn females received during these same months over 40 per cent. egg yield from her hens that were kept within a quarter of a mile of the home of the complainant. He fed corn upon the ground, and provided both snow and water to satisfy their thirst; his grain bill per head was more than the other who secured, and yet he blamed the poultry business.

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## The Pheasant, Guinea Hen, and Peafowl



HE whole world is acquainted with the guinea hen. The Pearl and pure White varieties of the guinea fowl have been scattered all over the world, and are familiar to every one who knows aught of poultry growing and caring for fowls upon the farm, but

few are familiar with the Vulturine Guinea fowl, perhaps one of the most beautifully plumaged of the entire family, including peafowl, pheasants, and guineas. A few of these have been imported from time to time by Mr. Homer Davenport, of Morris Plains, N. J., who permits us to use several of his illustrations in this article. We do not know whether any of these have been bred in confinement; we know that Mr. Davenport has endeavored so to do; whether this has been accomplished by him or not, we can not say.

In quoting from a publication on this subject, we shall take the entire paragraph relative to this variety therefrom: "The neck and tail are very long in comparison with the common variety, and the other points have been described as follows: The head and upper part of the throat are destitute of feathers, the lower part of the neck ornamented with long, lanceolate, and flowing feathers, having a broad stripe of white down the center, to which on each side succeeds a line of dull black finely dotted with white, and margined with fine blue. The feathers of the interior part of the back are of a similar form, but broader and with a narrow line of white dots disposed in irregular obliquely transverse lines. The wing coverts and thighs are blackish brown, ornamented with numerous spots of white surrounded by circles of black, the intermediate space being filled with very minute spots of white; and spots of brownish white on the outer

web; the secondaries brownish black on the tips, with three imperfect lines of white disposed lengthwise on the outer web, and three rows of spots of white on the inner web; the breast and sides of the abdomen are of a beautiful metallic black; the center of the abdomen black, the flanks dull pink, with numerous spots of white surrounded by circles of black."

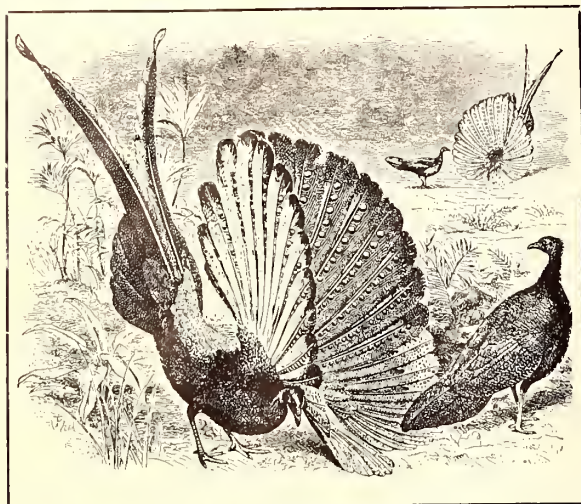
Mr. Gould writes of this magnificent variety of guinea fowl: "It is certainly one of the most noble birds that has been discovered for some years. It is the long neck adornment with lanceolate feathers, the absence of casque or crest, and the long tail and legs which gives it so strange a resemblance to the vulture. It has been introduced into one or two menageries, but appears more delicate in cold stations than any of the preceding kinds."

The quotation above from Mr. Gould was written many years before the Vulturine Guinea fowl had been introduced into the gardens at London, and into the private estate of Mr. Davenport. We have seen a number of these and consider them to have the most beautiful plumage of the entire pheasant family unless it would be the male peafowl and Argus Pheasant.

The Argus Pheasant pictured on our cover page follows the Vulturine and peafowl for beauty of plumage. Perhaps the least attractive of all the pheasant family is the Argus male and female out of action. The nearest description we can give to their appearance is a partly matured turkey hen; but nothing could be more peculiar than the Argus when displaying his plumage in full, which he does when playing to

his mate early in the spring. The spreading of the wing and tail plumage shows the real beauty of the Argus, which is found in the peculiar marking of the feathers. Their entire length is stippled and marked with dots as shown in the illustration. "Primary wing feathers are uniformly colored in most pheasants, but in the Argus they are of a soft brown tint, with numerous dark spots, each of which consists of two or three black dots with surrounding dark zone, but the chief ornament is a space parallel to the dark blue shaft, which in outline forms a perfect second feather lying within the true feather. This inner part is colored of a lighter chestnut, and is thickly dotted with minute white points. These feathers are always hidden under ordinary conditions, but are fully displayed when the long secondary feathers are erected, though in a widely different manner, for they are expanded in front like two little fans or shields, one on each side of the breast near the ground. The male of the Argus pheasant is quite interesting from the fact that it affords evidence that the most refined beauty may serve as a charm for the female, and for no other purpose. We must conclude that this is the case, as the primary wing feathers are never displayed, and the ball and socket ornaments are not exhibited in full perfection except when the male assumes the attitude of courtship. The Argus does not possess brilliant colors, so that his success in courtship appears to have depended on the great size of his plumes and on the elaboration of the most elegant patterns. Many will declare that it is utterly incredible that a female bird should be able to appreciate fine shading and exquisite patterns. It is undoubtedly a marvelous fact that she should possess this almost human degree of taste, though perhaps she admires the general effect rather than each separate detail. He who thinks that he can





ARGUS PHEASANT

safely gage the discrimination and taste of the lower animals may deny that the female Argus pheasant can appreciate such refined beauty; but he will then be compelled to admit that the extraordinary attitudes assumed by the male during the act of courtship by which the wonderful beauty of his plumage is fully displayed are purposeless; this is a conclusion which I for one will never admit."

For beauty of plumage the glory of the peafowl might come next. A much-traveled man told us that thousands of these beautiful plumaged birds might be seen on the borders of the dense forests of India. Whether true or not, the tale he told me carries with it the taint of pleasing fiction. Said he, "Where the peafowl abounds, tigers and fowls of the jungle will certainly be found. The natives with whom I hunted in India were very loath to go with me to shoot the peafowl that were so plentiful along the edge of the jungles as to be estimated by the thousands. Their beautiful plumage glistened and shone in thousands of beautiful rays against the morning sun. I wished to shoot some of these to use at table. The natives cautioned my approaching too near, for, they said, the would-be man eater is usually close upon the track of the Tikki. However, we rode near to them and discharged all of our guns into the flock, killing quite a number of them. The balance rose in the air like a green golden shower, and quickly disappeared over the tops of the trees back into the protection of the jungle. Those that were killed were gathered, but not until after we had waited nearly an hour for the appearance of the much dreaded tiger. They were plump and fat, some of them rather tough; the younger specimens, however, were even more delicious than the Wild Turkey of America."

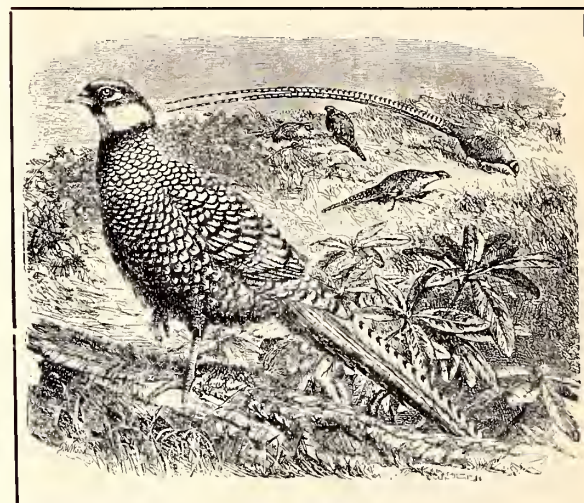
As stated before, whether this be true or not, it is a pleasant introduction to the presence of the beautiful peafowl that has been known to the people of the world for all time. Records long before the Christian era show that the peafowl was of common occurrence. Inscriptions of them are found upon the earliest of all engraven wares. The common peafowl, as we are pleased to call them, is the dark-plumaged fowl carrying the long, brilliant tail plumage with the rich, golden bronze center so attractive for its beauty, and so generally considered a bad omen when used for ornamentation.

It would scarcely be in place for us to describe here minutely the color and plumage of the common peafowl. There is known a variety called the Javan, also a Japanese variety, and a cross between some of these which has been declared as the Black-winged Peafowl, but insisted upon by Mr. Darwin to be merely a sport from the

common variety. To these same causes have been attributed the pure White and Spotted varieties occasionally seen. We imagine that the White variety came as sports from the common variety. Those we have seen have the pure white plumage, but slightly engraved on the end of each feather is the indistinct centers so frequently marked upon the tail feathers of the common variety. The Javan peafowl is as beautifully marked as a rich bronze-colored peafowl can be that has the richest possible plumage.

In early days the peafowl was largely used for table purposes; in fact it filled the purpose of long ago that the turkey fills to-day. We read of feasts where dishes were composed of the pinions of humming birds and peafowl tongues. Truly all of these must have been most plentiful in the Oriental countries of early day to furnish the dishes attributed to them. However, be this as it may, Mr. Clark, an artist of prominence who has traveled largely, told us that when visiting a store in Paris seeking for a new shade of blue and crimson, he was referred to a bird store, where birds were kept and prepared for ornamentation. He was told by the owner of the place that he had just received a shipment of over six thousand humming birds that had been slain and sent to him from the Asiatic countries. If these can be slaughtered in almost countless numbers there to be used for ornamentation, what numbers must be slaughtered for this country?

We imagine our readers are more interested in growing the commoner kinds of pheasants. All over this country, in fact throughout the world, what is known as the pheasant industry has become quite common. A short time since we received from Denver, Colo., a communication telling that Colorado is falling in line with a movement set forth in Illinois and Kansas to install pheasant growing in the state. These pheasants are being introduced into these states in hopes that they will help to destroy the great bug and insect pests of these localities. While they are not being introduced there for domestication, they are being introduced for the purpose of having them wild throughout the land. They are growing these pheasants in the aviaries of the



REEVES PHEASANT

Denver Park. Some of the wealthy residents of the state will attempt to stock Colorado with pheasants to a sufficient number to destroy at least a part of the insects so injurious to crops. We imagine that the state will protect these, and not permit their utter destruction as was the case with the early-day wild pigeon and the prairie hens, which grew in such numbers throughout the West. Whether this may prove satisfactory or not, we are unable to say, but we do know that establishing a large supply of pheasants throughout the Western States will provide a valuable food supply of the finest kind of game birds.

The pheasants used for this purpose are known as the common pheasants. Some of them have been produced by crossing the Chinese and what is known as the English pheasant. Common pheasants are a plain plumaged variety that possess the greatest endurance. The Reeves pheasant is a larger and higher classed variety. It is not our intention to tell of the fancy varieties of pheasants, more than to state that there are many pheasants and a peacock variety that resembles, to a certain degree, in plumage the fowl whose name it bears. The Impian, the Monane, the Tragopans, the Eared Pheasant, the Summering Pheasants, Elliott Pheasants, and many others that might be named are all distinctively beautiful and valuable for beautifying country homes where they can be kept in aviaries that can be warmed artificially during the winter months. What is known as the common pheasant can be grown out in the open in almost any climate where they can reach the ground during the winter months. Where quail will thrive and care for themselves the common pheasant will prosper. They may be introduced by hatching the eggs under bantam hens, and as soon as the pheasants are old enough to care for themselves, permit them to take to the wilds and continue to rear and stock the lands until they become sufficiently plentiful to supply the demands of the country. One of the best informed authorities on growing pheasants has written the following, which has been published in numerous journals. We copy this for the reason that it is a perfect guide toward rearing pheasants of all kinds in domestication:

"The pheasant family includes quite a number of varieties, all of which are natives of some part of Asia. They belong to the general family phasianidæ, which are characterized by having the legs, toes, and nasal fossæ bare, the tarsus in the male with one or more spurs, and the hind toe elevated from the others. This family is quite a large one and includes the turkeys, peacocks, guinea fowls, jungle fowls, domestic fowls, and pheasants. The pheasants are characterized

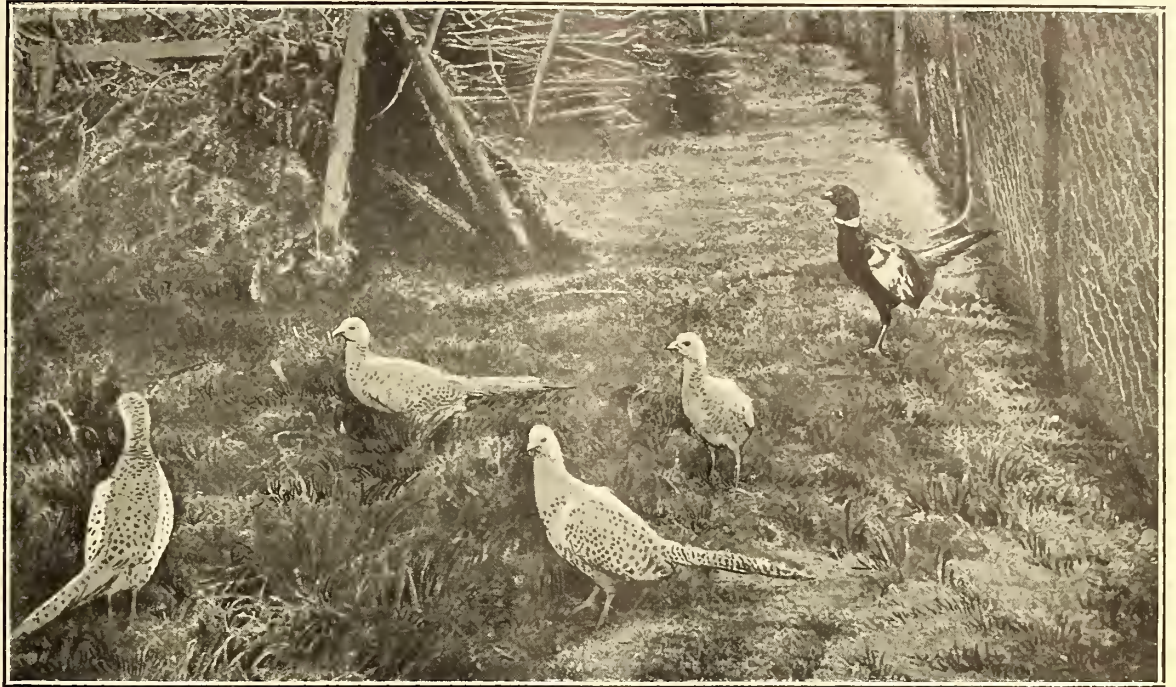


VULTURINE GUINEA FOWL



by having long tails, the feathers of which overlap like tiles. They are of ancient origin, and have been known in every country in the world. The best known varieties in this country are the English, Chinese or Mongolian, Golden, Silver, Lady Amherst, and Reeves. Several other varieties are bred in different parts of the country. The English and Mongolian are covert birds, while the Golden, Silver, and Lady Amherst are best for the aviary; my experience has only extended to the Golden and English varieties.

"The Golden Pheasant, while not so large as some of the other varieties, makes up in generous plumage and docility what it lacks in size, both male and female, and are much more beautiful than the English. A male golden pheasant in full plumage is a sight to behold in the way of beauty. They are of a slender, upright carriage, with full blood-red breasts, large golden crest, alternate rings of old gold and black on hood or hackles of neck, wings of blue and red with golden back, a tail nearly two feet long of spotted brown or dove color, which is made up in color hard to excel. The females are not so highly colored, but are very pretty, resembling the quail in color, only the plumage is light and dark, barred with golden tinge, especially on the breast. The females, like the males, get prettier as they grow older, and are not at their best until three or four years old; the females lay the next year after hatching, or when one year old, but lay better when two or more years old. The males do not come into full plumage until July or August of the second year, and to get birds in full plumage they must be a little over one year old. The Golden Pheasant is very docile and easily handled, they are as domestic as chickens, only lacking that sense of coming home to roost. They are ready for that wherever night overtakes them, and for this reason they are much more liable to wander off. They are not afraid of anything, and do not easily get scared; in the pens they will hardly get out of the way, pay no attention to strangers, and if busy strutting or engaged in a fight, which they will sometimes do, they will almost allow themselves to be picked up before they will quit. During the breeding season the males should be separated, as sometimes they fight to the death. I lost a very fine young male by an older one getting to him and picking him to death before he was discovered. At other times we let them all run together. I have had them run loose with the chickens, but they are prone to roost in trees, and sometimes are inclined to fly quite a distance in coming down in the mornings and in this way get over into neighbor's premises and have to be brought home or wander off, which causes some worry, and for this reason I keep them most of the time



A BREEDING PEN OF MONGOLIAN PHEASANTS

in over-headed pens. They are content most any place, but like small trees to roost in.

"They commence laying about the middle to the last of April, and lay about fifteen eggs and then are inclined to sit, but are not hard to break up, after which they often lay out another laying, making twenty-five or thirty eggs a season. If there is more than one female, two, or at most, three females can be mated to each male. The eggs hatch in from twenty-two to twenty-three days, and usually hatch well, the young are active and resemble young turkeys, only a size smaller. The eggs should be set under a small, common hen, the Bantam makes the ideal mother, none being better than the Cochin Bantam. I am raising a very fine strain of White Cochin Bantams especially to raise pheasants. The young should be fed sparingly of hard-boiled egg crumbled, or egg custard, with ant eggs or insects if obtainable, or the easiest way is to turn them loose on a small range and let them hunt their own insects and most of their food until they are three or four weeks old, then they can be fed sparingly, the same as chickens. The greatest danger to the young is over-feeding rich food, and one good gorge of it may kill the whole brood from indigestion. After three or four weeks they will eat most anything, and are not hard to raise. The old ones are fed the same as chickens, they grow very rapidly, and are subject to few diseases. They are very hardy, and

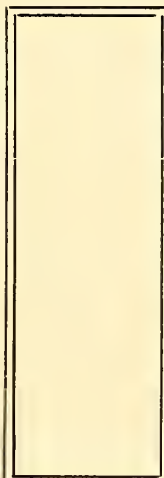
can stand a great degree of cold. I have had them roost out when the temperature was twenty degrees below zero, without injury. They prefer roosting out, and will only go inside the house when the weather is very wet and inclement. They are hard to get satisfied with their roosting place, and will make many changes of an evening before finally settling down for the night. If in a tree they keep going higher. Most persons in buying for the first time, are better satisfied to purchase them in full plumage, as the young ones in the latter part of summer or early fall are somewhat disappointing, but are cheaper and will be all right the next year, but they do not show at all what they will be."

The above is from the pen of Mr. March, who has succeeded fairly well. In addition, we quote portions of another article which tells of the importation of pheasants to the Pacific coast:

"Mr. Chas. Ainge, an experienced breeder of fancy poultry, lately from New York State, has recently imported four varieties of pheasants on Mr. Fox's fancy poultry ranch, Bakersfield, Cal., and his success in this line will in time demonstrate whether this new industry on the Pacific coast will be profitable or not. He is raising them in colony-house system. Each house is twenty feet by ten, divided into four pens, five feet wide and fifty feet long, facing southeast. He has two-inch mesh wire six feet high, with twenty-four inch bottom boards around, each pen



THE COMMON PEAFOWL



THE WHITE PEAFOWL





wired overhead as shown in illustration. The floor of house is two feet deep of white sand. The yards are so thick with alfalfa, timothy, sunflowers, and other tall grasses, that the birds can be seen only at roosting time. The alfalfa at this time is over three feet high, making a fine cool shade. The temperature during the summer is from one hundred and ten to one hundred and seventeen degrees in the shade; twenty feet of the yard is covered overhead with hay for shade.

"The pheasants have laid well, and over eighty-five per cent. of their eggs have been fertile, hatching that per cent. In July the Ring

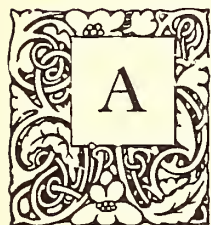
Necks and Japanese laid during the whole month, and they are now fully moulted, full new plumage September 15. The birds are strong, healthy, and vigorous."

In addition to this, we know of a number who have grown pheasants in confinement for the production of eggs that have been hatched under Bantam hens, and the young turned loose to shift for themselves. This was most successfully carried on at Fisher's Island. The managers of the Havenmeyer Farm, at Mahivah, N. J., also of the Darling Farm, at Ramsay, N. J., have reared thousands of pheasants with bantam hens, and turned them loose until they are frequently seen

from the roadside as one drives through that locality. One resident told us a year or two ago that they were becoming too plentiful for the best interests of farming. When there are too many quail, wild pigeons, or prairie hens, the farmers complain. When they are gone, and the grasshoppers and other pests eat up their crops, they complain. We imagine that in the states that are being stocked with pheasants there will soon come a complaint that they are becoming a nuisance through stealing sufficient food for their living, the residents having overlooked the fact that the wild birds take but little, where the grasshoppers formerly took it all.

## A Commercial Traveler's Home

By W. E. ADAIR



FTER mature deliberation and thought I am inclined to heartily sympathize with John Howard Paine, who wrote "Home, Sweet Home," for he never had a home, poor fellow! I have several times wondered if when he wrote that immortal song he did not

really have in mind the latter-day commercial traveler. In any event, there is a powerful bond of sympathy between Paine and the traveling fraternity, for if there is any one on earth in a position to appreciate the sentiments of the song, it is the commercial traveler. If he is a normally right-minded "tourist," he dreams of his home by day as well as by night, and longs for the time when he can turn his face toward the familiar scenes and loved associations.

Did you ever happen to observe a traveler who, in boarding a train, deposits his grip in a seat and says to "Bill" and "Sam," whom he knows, his face wreathed in smiles:

"Hello, boys! I'm going home to-night."

He is full of pleasant anticipations of the brief respite from the hustling among tradesmen, and the buffeting about by railroads and bus men. He can fairly taste the savory dishes he knows his wife will prepare for him in the prized "home style"—the relief from the detestable hotel menu card, ever the same, which is thrust before him three times a day, week in and week out.

The good times in store for him at home with his wife and his babies, his garden and his flowers, his chickens and his hobbies—providing he is so fortunate as to possess all these prerequisites of home, and if he hasn't them all, then he ought to be ashamed of himself! He's unworthy of the profession!

"Our home," which we are pleased to call "Maplehurst," on account of beautiful Maple Avenue, which passes near by, is situated at Cohocton, in the famous Cohocton Valley, in good "Old York State." The lawn and garden are supplied with hydrants from the city water system. Plenty of trees, including elm, maple, pine, catalpa, sycamore, and others, furnish abundant shade. In the garden there are apple, pear, cherry, walnut, butternut, and other trees in abundance. This brings us to the orchard. Ah, the big orchard! One sultry afternoon, soon



NO. 1. THE ORDINARY PIANO SHIPPING CASE

after securing this property, I was wandering through the orchard with my father-in-law, who, in an unguarded moment, allowed himself to remark:

"Will, why don't you raise some chickens out here? Here's just the place for them. Just put up a building all across the back end of the lot there, and you'll be fixed."

I fear that to this day he has never fully realized the importance and responsibility of those few fateful words, with all their appalling consequences.

In order to "raise a few hens," it is necessary to have some "coops," of course. After taking in the nakedness of the orchard, so far as buildings were concerned, my eye accidentally fell upon a pile of empty piano boxes near by, which seemed to furnish a solution of the problem, and offered a suggestion of future "coops" galore.

For the benefit of others who may be similarly afflicted with "hen fever," I desire to describe

here what I succeeded in evolving from a lot of much-abused piano boxes.

My earliest recollection is of the time when, as a boy, I was privileged to work about my father's shop, who was himself a mechanic of no mean skill. Right here let me say that for a boy to be able in his young days to work with carpenter tools, under the tutelage of one who knows their proper use, is a most valuable experience—one which any man at times finds most valuable. This fact is especially forceful when he happens to be "raising a few hens," for the successful poultryman should be a reasonably good all-round mechanic. There are no end of odd jobs of this character that constantly need to be done. To be able to say, also, as did a famous early American: "I did it with my little hatchet"—with the additional aid of a few other more or less crude tools—makes it all the more gratifying. Besides, to hire a carpenter every time a "board needs sawing or a nail needs drawing," makes it expensive, and the amateur loses a whole lot of fun as well as escaping some badly pounded fingers. It all belongs in the game, however. My father's favorite saw lost many a valuable tooth, and his choice plane became possessed of "knick-knacks" too numerous to mention. He seldom was in error in placing the blame where it belonged, either. But it was worth the price. He thought so. I now think so. Give me a boy every time who can make with his own hands a good hand sled or a good wheelbarrow!

In order to have a properly equipped "shop," I converted a former woodshed into a completely equipped workroom. A matched floor was put down, large windows put in, the interior painted a clean white, a bench put up, and all other necessary adjuncts and appliances provided. Here many a happy hour is spent devising, building, and repairing poultry appliances and equipment, as well as all other manner of "general tinkering." It is needless to say that some most wonderful creations have materialized within the confines of this workshop.

But to return to the piano box. We have all noticed from time to time, various attempts to utilize the common piano shipping case in the construction of poultry houses. Almost invariably they are crude, bungling, unsightly, and fairly disgraceful in otherwise respectable sur-





NO. 2. THE PIANO BOX AFTER ALTERATION

than has the average individual or layman. From my own experience, the piano box as a poultry house can be made ornamental as well as useful—an actual attraction to the appearance of the lawn or poultry yard instead of otherwise.

Figure 1 of the accompanying photographs shows the ordinary piano shipping case “before using.” These boxes do not vary much in shape or size, although the quality of the material and workmanship varies greatly. Care should be taken in selecting those boxes which contain good, sound lumber, put together in a workmanlike manner.

The first operation is to saw off the top of the box diagonally for the proper slant of the roof, on a line drawn from the division of the upper and lower parts of the front, to a point near the top at the back, as shown in the engraving. This makes the front of the box the back of the brooder that is to be. Then remove the lower part of front, and mark with a pencil around the bottom inside corners of box, after which knock off bottom and saw off edge on all four sides at pencil marks. The object of this is to bring bottom of box up inside the proper height, placed on well-nailed cleats, to provide for heating apparatus, etc.

In my own practice, I have devised a heating apparatus which after several years’ use I have found entirely satisfactory. I have also used successfully the “Universal” hover outfit made by the Prairie State Incubator Co., of Homer City, Pa., it being particularly well adapted to this style of piano-box brooder, and is easily removed after chicks outgrow need of artificial heat, thereby leaving the entire floor space for the constantly increasing need of the chicks for roosting quarters, and as a colony house proper. Roosts are not necessary—in fact, it is considered that growing chicks are better off without them until fully developed and removed to permanent quarters or laying houses. The “Universal” hover outfit requires that the top side of bottom of box be raised just seven inches from the bottom edge of box, in order to provide for hover arrangement, lamp, heater, etc. The printed instructions accompanying this outfit from the makers render it a simple matter for any one to properly prepare the box and attach the hover.

Fig. 2 shows the piano box “after using,” with the “Universal” hover outfit attached, the brooder all closed up for the night, or as against a storm or severely cold weather in the early spring months.

Fig. 3 shows the same brooder when opened up for cleaning, airing, or for hot weather. It will be noticed that the large front window swings out from the top. In that end of the box, which would be to the east when properly placed, is a window about twelve inches square, allowing

roundings. They seldom are worthy or creditable—frequently a veritable eye-sore, in fact.

Having been in the piano business all my life, possibly I may have a more wholesome respect for the piano box and its possibilities

sunlight in early morning to cover the floor of the brooder outside the hover, in feed and exercising room. Plenty of sunshine is of great and vital importance to very young chicks, as with all other animal life.

Back of the large front (south) window is a removable frame, the size of the window, covered preferably with half-inch mesh wire netting, to keep out the numerous four-footed enemies of chickdom. The large upper swinging door or “hood,” with wire netting over the opening on the inside, admits sunshine for purifying the house, and is also for free circulation of air. A three-inch hole on either end near the top, covered with fine wire screen, with galvanized iron slides, afford ventilation under regulation of the attendant.

Figure 4 shows a little different style of colony brooder, in which I constructed a home-made hover and heating outfit of my own device, which works admirably and offers some advantages in first cost. The lower floor in box is raised up inside about ten or twelve inches to provide for the lamp underneath. It also forms a basement room, which is very useful as a haven of refuge for the chicks during the sudden thunder showers which spring up with little warning in the early spring and summer months. Ordinarily the chicks would all try to get in the brooder at the same time, which, of course, is an impossibility, resulting in the greater part of the brood getting a drenching, with all its disastrous results and attendant evils well known to poultrymen. This compartment also makes a dusting room, and a cool and shady retreat in the hot and sultry days of midsummer. For the first few days the door to the basement compartment should remain closed until the chicks become accustomed to going in and out of the brooder. Otherwise at night “chicken sense” would mislead many into going under the brooder instead of inside as they should, thereby getting chilled, if not indeed losing their lives before morning, when not discovered in time and put to bed properly.

Fig. 5 gives a rear view of this brooder, roof raised, removable floor section under hover compartment (heater shield attached), also hover board, removed. The heater drum over lamp is not removeable, and is of a common type quite



NO. 4. ANOTHER STYLE OF BROODER, WITH HOME-MADE HEATING APPARATUS

familiar to poultrymen. A tube is provided through which fresh, pure air from outside is conducted into the reservoir over the lamp where it is warmed, and thence passes into the brooding chamber, which is necessary for the health and comfort of the chicks.

Curtains are hung down from the hover board around the heater drum, falling down about a half inch from the floor, with half-inch round holes cut in the cloth near top, to allow exit of foul or overheated air from the hover compartment. A slitted curtain also hangs over the entrance to the brooding chamber. Small windows on two sides of the brooder furnish sufficient light in the outer or secondary compartment under hover, to enable chicks to see feed and grit on the floor the first day or two, before they are old enough to be allowed very far from the hover chamber.

About four one-inch holes should be bored in the bottom of the box in front and in the end farthest from lamp, to allow the lamp to “breathe,” and for foul gasses to escape to open air. It will be remembered that the gas and heat from the lamp do not pass directly into the brooding chamber, but instead, the heat radiates through the galvanized-iron heater drum over the lamp.

These brooders are large enough to properly care for at least fifty newly-hatched chicks without any danger of over-crowding. Indeed, they will care for seventy-five or one hundred as safely as any other brooder of that rated capacity, but experience teaches that it does not pay to put too many chicks together in any one brooder at first, and with fifty chicks at the beginning better growth will surely be obtained. Even this number should be reduced a couple weeks or so later on, as the chicks increase in size and development.

By running a corner-board around the edges of the box as shown, a more pleasing appearance is given, and when the brooder is completed and painted in two colors (our choice is yellow with white trimmings), it is extremely tasteful and attractive in appearance.

It will be possible, ordinarily, to save enough material from discarded parts of the box to furnish corner-boards, trimmings, etc. If not enough for roof, then any sound boards, rough or planed, will answer, as the roof should be covered with a good quality of tar paper, carefully and closely nailed, the tar being renewed annually to prevent leaking and decay.

During the first year of my experience with poultry, my wife attended mostly to the hatching and brooding of about eight hundred Single-combed White Leghorns, all of which were raised to maturity in these piano-box brooder-colony houses, and that fall, before our large main house was ready, the pullets had begun to lay in these small colony houses, and were vigorous, healthy, finely developed, and in every way a satisfaction and delight. Up to the present time we have never been able in our large brooder house to



NO. 3. BROODER OPENED FOR CLEANING



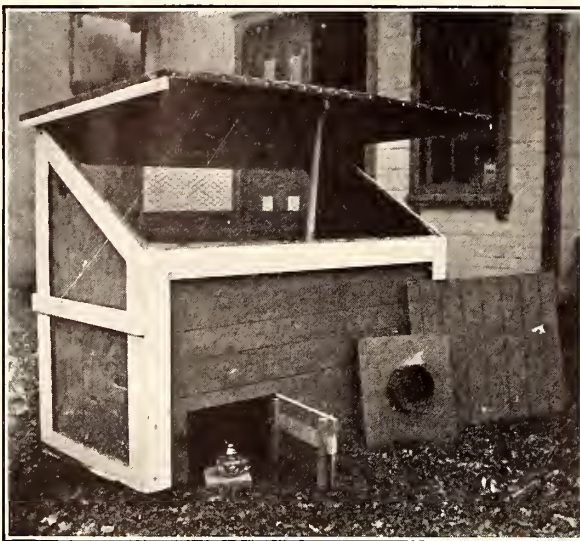
surpass the results first obtained in these piano-box brooder-colony houses. This fact thoroughly demonstrates their effectiveness and value.

I find that ordinarily a woman is more successful in brooding, feeding, and caring for very young chicks than the ordinary caretaker of the sterner sex. Her tender, motherly instinct seems to render her more sympathetic and appreciative of the needs of the "little orphan." A mistake in temperature or feeding and handling for the first few days frequently means failure and disaster for the whole brood; and in any event, they are quite apt to show the effects of the mistake to the very end of their existence. Here is where "eternal vigilance is the price of success." Experience and knowledge are also very important factors.

The portability of these piano-box brooder-colony houses is a feature strongly in their favor. Two men can pick them up by the handles shown, and carry them to any desired new location. Young chicks should be allowed to run, partially, at least, on a grassy plot, and as soon as the location shows signs of wear or exhaustion, the brood should be removed to a fresh run. For the first week or two the range of the chicks should be restricted by a one-inch mesh wire netting enclosure, say about three feet high. Later, if free range can be given, this netting may be removed entirely, and the chicks may be depended upon to return every night to their own houses, no matter how far away they may roam during the day.

Where it is possible to procure boxes in which large reed organs have been shipped, it is practicable to make two brooder-colony houses from the one box. These organ boxes are usually rectangular in shape—same size top and bottom, and it is only necessary to saw the box in halves, on a diagonal line through center, each half thereby forming a house by itself, of equal size, the line where sawed forming the roof slant for each brooder. These brooders will not be so high, of course, as those made from piano boxes, but they can be placed on a base formed of a frame made of twelve-inch boards, nailed together the proper size, and placed on edge. This frame will provide the under compartment, same as in Fig. 4, and also a place for the lamp. These make good brooders, and are, of course, less expensive, on account of the one box making two brooders.

Fig. 6, a winter scene, gives a front center view of our main building, one hundred and seventy-five feet in length, used for brooder house and laying house combined. The two-story-and-basement center section is for feed garners, storage, hot-water heating plant, food cooker, bone cutter, sink, etc. The wing running to the right, partially shown, is a 13-pen brooder house, in which we use individual lamp brooders in each pen, in hatching season, made by the writer on lines very



NO. 5. REAR VIEW OF BROODER WITH ROOF RAISED

similar to those already described, only much smaller as to height, and adapted to indoor use only. Along the aisle, which runs full length of both wings of this building, are the hot-water heating pipes, hung on the north wall, for heating the entire house. The brooder side is arranged with roosts, nests, dropping boards, dusting boxes, etc., so it may be used either for brooding chicks or as a laying house for mature fowls, as may be desired. This interchangeable feature is very convenient at times. Chicks may be raised here at any season of the year, winter or summer. The west wing, or laying and breeding side of this house, is made up into ten pens. The fowls may be watered and fed, the eggs gathered, and dropping boards cleaned all from the aisle, without the necessity of entering the pens at all, thereby facilitating the work of the caretaker greatly. When all the fowls "get busy" at their mesh simultaneously, eating from floor troughs placed all along the aisle in front of each pen, through upright slats, the sight of so many bobbing heads with red combs and white necks,

as viewed from one end of the aisle, is a very interesting one indeed.

The latest and most up-to-date methods of feeding are with the use of self-feeding hoppers, which contain sufficient feed, at one filling, to last each pen several days or even a week. This system greatly lessens the work of the poultryman, and at the same time produces excellent results, as no fowl need go to roost hungry or with an empty crop. These hoppers are hung on the wall, up off the floor, at side of the pen, and have a slanting cover, or lid, to prevent the fowls flying on top and perching thereon. They are devised to feed down in plain sight of the fowls only as the feed is consumed. Provision is made for preventing the fowls from scratching out the feed and wasting it. It is by all means preferable to use ground feeds, or "chop," in these hoppers only. Whole grain is much better fed in the deep straw litter on pen floors, as already stated, to induce activity on the part of the fowls. We prefer to scatter the whole grain the last thing at night, after the fowls have gone to roost, so they can begin to work for it the first thing in the morning as soon as they are down off the roost. Meat scrap is fed in pans covered with wire netting, placed upon shelves on sides of pens within easy reach. Self-feeding hoppers, of smaller size, made of galvanized iron, divided into three compartments for charcoal, grit, and oyster shells, are also furnished each pen, hung on the wall at the proper height. Racks for alfalfa and clover are also provided, as are also spikes on which cabbage, beets, or other green food is kept before the fowls at all times. Green cut bone is an occasional feed much relished by the fowls, and is very necessary where other animal food is not provided in sufficient supply. The hen must have food in proper variety of ingredients or elements, not only in order that she may produce eggs liberally, but also to supply demands of her physical system. To furnish a properly balanced ration altogether is one of the most interesting and important studies of the poultryman, and his attention to this point will determine in a very large measure whether or

no his fowls will return a profit over the cost of maintenance.

We have a very large lawn to be kept mown, and this furnishes our poultry with a good supply of fresh grass, just the right length to be easily swallowed. We manage to clip the lawn in rotation, so the chicks can have a regular allowance at frequent intervals. They eagerly pick up every last spear, and seem to relish it greatly. Where an unlimited free range is not given, green food in some form is absolutely necessary. The grass clippings seem to act as a tonic, and are very beneficial and a highly important part of the "balanced ration." With poultry, there is always something to be learned. Poultry culture is a science and pays for the effort.



NO. 6. FRONT CENTER VIEW OF MAIN BUILDING USED FOR BROODER HOUSE AND LAYING HOUSE





## Black Feathered Fowls



THE pages of the English poultry press are almost covered, one might say, with articles about the Black Wyandotte. Page after page of the Black Wyandotte versus the Leghorn have appeared in the English press. No matter whether the Wyandotte or the

Leghorn is the best, our English cousins should realize that the Wyandotte is a general purpose fowl, while the Leghorn should be an egg-producing machine. Neither of these should encroach upon the other. Each one should have its place among valuable poultry. There is no reason under the sun why the one should even attempt to displace the other. The next fad in poultry on the other side is likely to be the Black Wyandotte.

The Black Wyandotte Club recently have had drawn an ideal sketch of their variety. This was made within the past few months by Mr. Ludlow and seems to express to a nicety the idea of the English fancier for Wyandotte type. It is not our purpose to criticise the artist or the English fancier; we simply call attention of our readers to the ideal type of Wyandotte as represented by this club illustration. We scarcely imagine that this type would be accepted by the Partridge Wyandotte Club of America, which shows a disposition to depart from the Wyandotte ideal, as shown in the Standard, to a line that seems to meet favor with a few of the breeders of this variety.

Recent communications from the other side call our attention to the fact that there is an unusual demand for Black Wyandottes. One letter states that if any of the American breeders can furnish fowls of remarkable quality, long prices can be obtained in England. When Mr. John Wharton, of England, who has been most successful there in breeding Partridge and Silver-penciled Wyandottes, came to this country a few years ago in quest of stock to improve his own at home, we told him that he was certain to be disappointed; that the color, and perhaps the shape, of our Partridge Wyandottes would not please him. We sent him to a large number of the best breeders in the country. On his return to New York City he told the writer that he was more than disappointed; that he had seen only three Partridge Wyandotte females that he would care to carry back to England, and these were not very desirable, according to the English fashion for color. Said he: "The shape would not meet our approval."

Judging from this, and from the illustration made by Mr. Ludlow, we are ready to accept the statements made that the American type of Wyandotte would not be sanctioned by the English.

In addition to Mr. Ludlow's illustration, we have been able to procure a print of one of the winning Black Wyandotte females that attracted considerable attention in England the past season. This photograph would indicate that better type than would be hoped for, according to the American fashion, had been exhibited. In

This brings to notice a similar case. The members of the American Plymouth Rock Club, several years ago, had made ideal sketches to meet the fancy of the club. A year or two following came the revision work at Rochester. Most prominent of all those present were the members of this same club gathered there in the interest of having an ideal illustration for the new Standard. Among these were a number of the most prominent breeders of the three varieties of Plymouth Rocks. After considerable contention, the committee was compelled to alter the original ideal type of the Plymouth Rock to the present one published in the pages of our Standard.

But three years have elapsed since that gathering met at Rochester, and within a few months one of the specialty clubs which guarded the interests of one of the varieties, have shown a willingness to depart from the ideal selected through the influence of some of their members, and others, and to lean toward a new ideal made to meet the fancies of the club. Perhaps if they would compare the appearance of the English ideal for Black Wyandottes with the two illustrations from living specimens, they might conclude that perhaps it would be better to select some of the most perfect specimens of the variety and have them photographed, and then use the true portraits as a guide for type and finish.

To return to the quality of the Black Wyandotte, the writer was personally acquainted with Mr. Clemens, of Ohio, who originated the Black Wyandottes. His originals came as sports from some of the most perfectly formed Wyandottes of that day. The specimens were selected by Mr. Clemens, and carefully bred and mated for producing perfect Wyandottes with glossy black plumage. From that original stock many of merit have been produced, and others of but little value. A few able fanciers of this country have taken hold of and produced some Black Wyandottes that are as true to shape as any of the

Wyandotte family, and as beautiful of plumage as a rich, glossy black can make them. These are what we would term ideal Black Wyandottes. Whenever the fanciers of this or any other country deviates from the accepted Wyandotte type, combined with beautiful black plumage in a Black Wyandotte, they have lost sight of the true intent of the originators, and indulged in individual preference.

To illustrate the intensity of feeling that has been engendered on the other side, we quote from one of the English papers an article printed over



THE WINNING MALE BLACK WYANDOTTE AT THE WASHINGTON SHOW

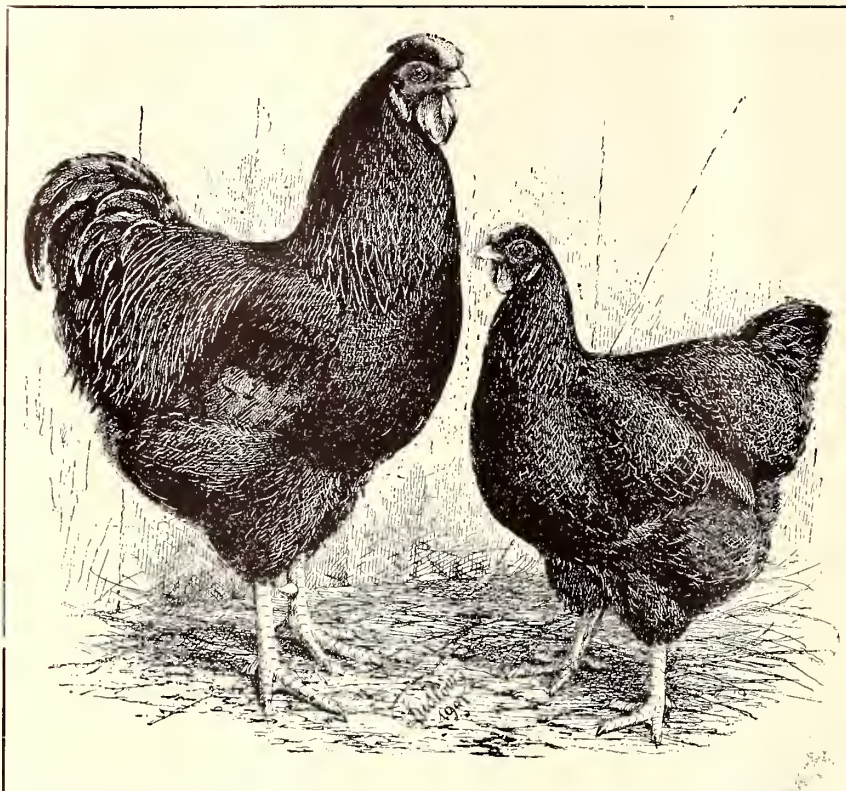
addition to this, we illustrate from a photograph of the winning male Black Wyandotte at the recent Washington show. We had this male photographed so that we might be able to present from life the kind of Black Wyandotte males preferred in this country. The English female would meet the approval of the American fancier. If such a female is a prize winner of the leading shows of England, why would not the Black Wyandotte male illustrated meet with equal approval? These two illustrations from photographs we would pronounce as being far superior to the artist's ideal.



a nom de plume, which states as follows: "Seeing that there is a good deal of correspondence regarding the Black Leghorn versus Black Wyandotte, I can not let it pass without a few remarks on my favorite variety, the Black Leghorn. Now, in fairness to this variety, it is necessary to have the opinion on both sides. I will take the Leghorn. First of all, some say they are extremely wild, and we hear of people going to feed their flocks who dare not take off their caps, much less take out their handkerchiefs, for fear of seeing them no more, but I may here state that I find them as tame and contented as most varieties. I have no difficulty in keeping them in bounds with six feet of netting and rising ground in most pens, and I could catch you any bird you would point out, for when feeding I can go among them as if they were Orpingtons, and they will feed out of the pail in my hands.

"They are good, all-round layers of good size eggs, and of an excellent, bright, sprightly appearance, with their yellow legs and bright red combs and beetle-green plumage, and best of all, are non-sitters; surely a variety for all, whether backyard or farm, that will, I think, outclass the Black Wyandottes, which I hear are all right in their place except for brooders, for no sooner have we broken them of their broodiness than they lay a few eggs, and are soon broody again. For these reasons, I am quite sure that the Black Leghorn has no need to fear comparison with the new variety, the Black Wyandotte, for it is yet one of our most useful and beautiful varieties."

This writer speaks of the Black Wyandotte as a new variety. Evidently, the Wyandottes that he is familiar with are so loggish and so Cochin in general makeup as to be more than usually broody. We could refer to many strains of Wyandottes in this country that would challenge his Leghorns to an egg contest, yet with all this, we favor and admire the Black Leghorns, and think that it is an unpardonable mistake to class one



THE ENGLISH ILLUSTRATION OF THE IDEAL BLACK WYANDOTTE MALE AND FEMALE

variety of this kind against a variety of another breed to raise clamor and contention, especially if the parties of both sides, to advance their own, feel they must pull down the other.

In addition to this, the writers for and against the Black Wyandotte are severely criticising each other's ideals. Perhaps this may lead to a better type, to a more exact formation for the Wyandotte. The most deplorable thing of all is the fact that the essence of American poultry production, the Plymouth Rocks and Wyandottes, have been changed so much in form under the hands of the English fancier. It is equally to be regretted that the fanciers of America breed their Partridge Wyandottes so near in color to the Blacks as to entirely discard them from any consideration abroad. The color of the winning Partridge Wyandottes of the present day does not conform by a long shot to the description of color in the Standard, nor does it conform to Partridge Cochin color and markings, the ground color and the markings being entirely too dark to reproduce clean, clear, red faces in the female. If this continues, we shall have gypsy-colored faces in Partridge Wyandotte females.

We mention the Partridge Wyandotte in connection with the Blacks only to bring forward the question of shape and color. The picture of the Black Wyandotte made by Mr. Ludlow, in comparison with the half-tones we use, made from photographs, shows quite a difference in the make-up of the actual specimens and the ideal of the artist. We are diverging entirely too far apart with the English and the American types in both Plymouth Rocks and Wyandottes. The breeders of these should get closer together, if possible, on both shape and color. To illustrate this distinction to a greater extent, we illustrate a winning White Wyandotte cockerel, the property of Arthur C. S. Beeman, St. Albans, Vt. This cockerel was scored through the past winter show season at 94¼ points, being cut 1½ on shape and 1¼ on color, 1 on comb and 1 on weight. If the weight allowance were added to the score, this cockerel would have gained 95¼ points perfect by the score card. In this article we have presented the half-tone illustration of the winning Black Wyandotte pullet at the last Crystal Palace Show, the Black Wyandotte cockerel that

won first at the Washington Show, and the White Wyandotte cockerel, with the score as above described. These, in connection with the ideal illustration from Ludlow, places before our readers four splendid illustrations of the ideal in Wyandottes. In the near future we shall follow this with living illustrations by photograph of other winners in the Wyandotte classes of America and England.

A fancier of great note recommends in a recent article that the breeders of Silver-laced Wyandottes should diligently care for all pure white and pure black sports that come from the Silvers, claiming that the best strains of Black Wyandottes now in existence have been replenished in character and color through the use of the Black sports from the Silver Laced. This writer also claims that the best specimens of the White variety seen to-day in the show room came from strains that have had white sports from the Silvers introduced into their veins within the past few years. Whether this be true or not, it would be impossible for us to say. Many breeders claim that

both the White Plymouth Rocks and the White Wyandottes have been treated in this way from Wyandottes and Plymouth Rock sports. This illustrates to a certain extent the ideas of the fanciers who cultivate this variety. All should consider the best means for creating better shape and color, if possible, in all varieties.

The Standard description of a Wyandotte and a Plymouth Rock differ so much in shape description that specimens true to the description could not possibly be taken one for the other by the merest amateur. Considered in this light, what must we conclude when we hear the statement made, "The only difference I can see in them is the shape of the comb." Placing the awards in the exhibition hall decides the methods of breeding. If, however, only specimens having true breed characteristics can win, the tide will quickly turn in favor of proper type.



BLACK WYANDOTTE PULLET, WINNER AT THE PALACE SHOW



"TEDDY," A BEAUTIFUL WHITE WYANDOTTE COCKEREL OWNED BY MR. ARTHUR C. S. BEEMAN



## Science of Breeding

By T. F. McGREW

### Ideal Illustrations and Judging



IN THE near future we hope to publish in the illustrated portion of THE FEATHER articles on the shape and color of the Plymouth Rock. We have paid more than passing attention to these same features in the Wyandotte variety. We have tried, through photographs of winning specimens, to give our readers object lessons of what has won the prize and what we believe is the accepted type for the breed.

The ideal sketches in the Standard, and the ideal illustrations published in poultry periodicals and which have been used by us in many instances, can not be classed as the best portrayal of the quality to be sought in the living specimens.

The true type of the Plymouth Rock should be the same in every variety. A different shape can be required for several varieties of the same breed; a Plymouth Rock must be Plymouth Rock in shape, no matter what the color may be.

If the winning specimens of the Buff and White varieties do not conform in shape to the winning specimens in the Barred variety, either one or all may be outside of true breed characteristics.

The inclination shown by a limited number of breeders of White Plymouth Rocks to object to the ideal illustration in the Standard for the White variety of Plymouth Rocks shows conclusively that much consideration has been given to this subject.

We have invited a number of breeders of the three varieties to submit photographs of specimens they considered near the desirable type for the breed. If it might be possible to gather together a sufficient number of the different varieties, a compromise on type might be reached. But, as long as dissensions are made more against placing the awards than against the ideal type, the means of correction would be by having proper judgment displayed rather than to hope to gain the desired quality of judging by changing the ideal illustration. The most peculiar feature of all these considerations lies in the fact that there is a greater amount of probability for dissatisfaction for placing awards by a specialty judge who is a member of the club than there ever has been against the judgment of the all-round expert.

One of the most successful breeders of White Leghorns, one who was scarcely ever defeated during the time he was an exhibitor, one who was driven from the exhibition hall through the unsatisfactory selection of the specialty judge, stated within the past twelve months to the writer that he was more and more convinced each year of the fact that the safest judgment was sure to come from the awards being placed by the all-round judge, rather than from the specialist who was a member of the club, and who was usually selected more by the votes

of those who never exhibited than by the exhibitors themselves.

The reason for giving this opinion grows out of the fact that the specialty judge, who is a breeder, naturally places the awards upon specimens that come nearest the type of his own breeding. No matter who the judge may be his opinion is made up as the result of his own experience. The greatest amount of experience gained by the judge who is a breeder is picked up among his own matings in his poultry yards at home. No disrespect or adverse criticism is intended in this statement. The only point we wish to make is that, whether right or wrong, the home influence is the strongest governing power under such conditions, and the one that fosters another type than that grown by the judge himself is almost outside of consideration as a result of these influences. We would like to have the record of a large exhibition where the awards were placed on any single variety by a specialty judge which gave entire satisfaction; and we should also like to suggest that the cause for complaint was the result of the type peculiar to the specialist's own yards had been selected. We wish, too, to state that this is rightfully done from the fact that the schooling of the specialist was under the tutoring of the type selected.

With this introduction under Science of Breeding, we shall hope in the near future to present more fully our meaning of type and color qualities as selected by the expert specialists who are the choice of the clubs they represent. And, in the display of these illustrations we shall hope to assist the amateur and to bring closer together all breeders of the several varieties. As far as fault-finding or criticism is concerned, we only gather the facts and give them to our readers as we find them for their due consideration.

### An Agricultural Exhibit

White's Class Advertising Co., 108 W. Jackson Boulevard, Chicago, Ill., have taken to themselves the novel idea of having a permanent exhibit of things that will interest agriculturists. This exhibition will be located in a hall adjacent to their business offices and placed in an attractive way, so that the entire exhibit may be examined at any time by any one visiting Chicago.

Mr. Frank B. White, the president of the company, whose offices occupy the entire floor of the Electric Building, at the above-mentioned location, extends an urgent invitation to every one who may be interested in agriculture to call when in Chicago and examine this exhibit. Courteous representatives will always be in attendance, and will gladly show and explain the entire exhibit to every one who calls and shows a disposition to see same. Do not fail to see the display when in Chicago.

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### PLYMOUTH ROCKS

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cock-erels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. Wysong, Bank Cashier, Elthian, Ill. 13-3

Barred Plymouth Rocks—Egg-laying Strain—Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

White Rocks (Hawkins), Barred (Bradley Bros. strain). Standard bred; stock for sale. Eggs, \$2 per 15. GRANDVIEW POULTRY YARDS, Oscar L. Von Nida, Ephrata, Pa. 12-11

Barred Rocks and Single-combed Buff Orpingtons. Eggs, \$2 per 15, from first prize stock. A few good rock cockerels. J. H. WORLEY, Mercer, Pa. 13-5

Choice Barred P. Rocks, S. C. Black Minorcas, Houdan's, and Homer Pigeons. Send stamp for circular. B. F. BRUBAKER, Mount Joy, Pa. 12-11

Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Riley's Barred Plymouth Rocks Are Champions, winning every first at the great Philadelphia Show. Get my mating list before buying. HENRY D. RILEY, Strafford, Pa. 13-6

E. E. Pryor, Specialty Breeder, Barred Rocks, Thompson strain, and Buff Cochins Bantams, high prize winners and breeders. Stock and eggs in season. Martinsville, Indiana. 12-12

Woodside Farm Barred P. Rocks, as Good as grow; elegant barring; standard weight and over; both matings. Eggs, \$1.50 per 15; also Whites of best quality, same price. E. POLING, Keyport, N. J. 12-12

County Line Poultry Farm Breeds Barred Rocks and S. C. Buff Leghorns. Prize winning matings. Stock and eggs for sale. \$2 per 15. Route 10, Medina, N. Y. 13-1

Tidd's Barred Plymouth Rocks; Bred from Prize winners at Scranton Show. Cockerele and hens for sale. Eggs, \$2 per 13. S. J. TIDD, Taylor, Pa. 13-1

Eggs, Eggs! From Our Prize-winning, Heavy laying Barred Plymouth Rocks, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 13-1

Bradley Bros.' Barred Rocks, My Breeders Also Little and Carlisle winners, for sale. \$10 pens, \$7; \$15 pens, \$10; \$20 pens, \$15. A. W. MARBURGER, Denver, Pa. Lock Box 26. 12-12

Must Sell Five Pens of "Fishel" Strain White Plymouth Rocks. Elegant birds. Good breeders, good layers, well bred. Four hens and cock in each pen. Prices, \$10, \$12, and \$15 per pen, if taken soon. Will cost much more later. Satisfaction guaranteed. Write. COOLSPRING POULTRY YARDS, Plummer B. McCullough, proprietor. Route No. 2, Box H. Mercer, Pa. 13-1

White and Barred Plymouth Rocks, Black Langshans. Best strains eggs and stock for sale at all times. We are among the largest breeders in the East. PINE HILL FARM, Canaan, N. H. 13-2

Buff Rocks, Nugget Strain, Eggs From Extra large, heavy winter layers, golden buff color. \$1 per 13, guarantee eight chicks. ARTHUR TAYLOR, Washington, N. J. 12-11

Buy "Masterpiece" Barred Rocks. They Satisfy. Get in on these phenomenal birds before "even the dullest has seen." OTTO BROTHERS, Box 779 A., Rochester, N. Y. 12-11

Barred Plymouth Rocks, America's Best "Utility and beauty" strain, prize winners and world's greatest layers. Bred since 1896 for large size, vigorous constitutions, heavy winter laying, and perfection in Standard requirements. Eggs that will hatch rapid-growing, quick-maturing chicks, \$2 for 15; \$5 for 45, or one excellent mother hen and twenty-five chicks two weeks old, \$6. Satisfaction guaranteed. D. D. MARVELL, Woodbury Heights, N. J. 12-11

Baby Chicks, from High-class White Plymouth Rocks, 8 cents each. Eggs, \$1. 13; \$2. 30; \$4. 100. Stock for sale. GEO. KUNNEY, Fayette, Ohio. 12-12

Buff Rocks; Fine Breeders in Cocks, Cockerels, hens and pullets; line bred from my Rochester, Boston, and Madison Square winners at \$1 to \$3 each. Exhibition birds cheap. Barred Rocks, Parks bred-to-day direct. Six yearling hens and one cock, \$10. Cockerels and pullets, \$1 each. OREN HANES, South Colton, New York. 13-1

Orders Booked Now for Young Stock in Buff and white Plymouth Rocks; all from great layers and prize winners. One hen has a record of 61 eggs in 65 days. Satisfaction guaranteed. Drop us a postal for prices on pens, trios, etc. CHAMBERLIN BROS., North New Salem, Mass. 13-1

Walsh's Barred Rocks Are Right Up to Date. Young stock maturing fast. Some choice yearling breeders for sale. L. W. WALSH, Box 248 F, Lynchburg, Va. 13-1

Exhibition Barred Rocks; Old and Young Stock sold on conditions for the fall fairs; also 10 hens, 1 cock, S. C. W. Orpingtons, including all our winners, for \$20; 5 Buff Rock hens, 1 cock, \$12; 5 W. Wyandotte hens, 1 cock, \$12. Satisfaction guaranteed. JONAS HAYNER, Mgr., Livingston, Col. Co., N. Y. 12-11

### LEGHORNS

Have a Few Rose-combed Browns. J. HART WELSH, Douglaston, Long Island, N. Y. 13-4

White Leghorn Eggs for Hatching—Youngs, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duck-wing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

S. C. White Leghorns. Winners at Hartford, Meriden, Springfield, Holyoke, and Boston; in shape and color they are second to none; eggs, \$2. W. J. BLAKE, Burnside, Conn. 12-11

Black Leghorns; Osborne's Strain Direct. Send for winnings Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. BROOKVILLE POULTRY YARDS, Brockville, Ont., Canada. 13-6

Single-combed Brown and Buff Leghorn Eggs. Write for prices. Pens scoring 93 to 95. Buff Solid Buff. Great laying strains. Barred Rocks. Bright strain, fine specimens. Address J. F. MCCONNELL, Polk, Ohio. 12-11

Rose-combed Brown Leghorns, Winners of the Blue, White Wyandottes, winning first cockerel at Warren. Write your wants. JAMES MOODY, Route 3, Newton Falls, Ohio. 12-11

For Sale—S. C. White, Buff, and Brown Leghorn hens; eight of each variety, 75 cents each. Good stock. Eggs, \$1 per 15, from prize-winning stock. CHAS. E. BOSTON, New Midway, Md. 12-12

S. C. W. Leghorns. All Stock from My Breeding pens for sale at reasonable prices. Eggs, 15 for \$1.50; 100 for \$6. Address C. B. KROGMANN, JR., 2002 Fourth Street N. E., Washington, D. C. 12-12

R. C. W. Leghorns, for Sale; Twenty Yearling hens and cock. Single birds, \$1.25; five or more, \$1 each; also young stock after August 15, \$1.50 and \$2 each. R. W. PRICE, Troy, Pa. 13-1

Buff Leghorns—Fifty Yearling Hens, Wyckoff strain, all excellent birds for breeding purposes, at \$2 each. Address L. M. HEADMAN, Frenchtown, N. J. 12-12

For Sale. Leghorns. Single-combed White and Brown, Rose-combed White Barred Rocks. MRS. S. RIDER, Successor to Mr. and Mrs. S. Rider, Maryland, New York. 12-11

Single-combed White Leghorns. Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punxsutawney, Pa. 13-1

Single-combed Brown Leghorns. All breeders and show fowls for sale cheap. Also choice young stock. Write me your wants. S. J. HARLACHER, Hanover, Pa. 13-1

Annual Clearance Sale of Yearling Breeders. Most profitable flock of Single-combed White Leghorns in the country. Seventy-five cents each. Biggest bargain you ever saw. Satisfactory shipment guaranteed. Send your order now. They will sell quickly. Only three hundred left. WHITE LEGHORN POULTRY YARDS CO., Box E, Waterville, N. Y. 12-11



Ten Single-combed White Leghorn Hens and a pure white yearling cock, \$13. They will breed prize winners and lay lots of eggs. Finest blood in United States. Write quick. MAPLE HILL FARM, Route 3, Fort Plain, N. Y. 13-1

4,000 S. C. W. Leghorns. Large, Healthy, Line bred WHITE birds. Bred for hearty egg production. Breeding and utility stock and eggs for hatching for sale at fair prices. BELLE HILL WHITE LEGHORN RANGE, Elkton, Md. 13-10

Single-combed Brown Leghorns; Best Layers known; figures to prove it. Stock for sale. Must sell. Prices right. Write ALMOND K. DENNIS, Cameron, N. Y. 13-1

## WYANDOTTES

White Wyandottes—Both "Useful and Beautiful," 15 years, 40 acres. Fine lot youngsters, cheap at once. Satisfaction guaranteed. Circular. F. H. WOOD, Cortland, N. Y. 13-1

Buff Wyandottes Exclusively. They Have the Wyandotte shape, good combs, and even color of the right shade. A few extra good breeders and some fine young stock for sale at reasonable prices. W. P. PRATT, Chatham, N. Y. tf

Mapleseed Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. tf

High-class White Wyandottes Exclusively. Grand males and females for sale, for show and breeding purposes, from superior laying strain. Incubator eggs, \$5 per 100. Circular free. L. H. MORSE, Newark, N. Y. 13-1

If You Want the Best Try the Royal Strain White Wyandottes; bred for business, stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

Partridge Wyandottes, the Handsomest and Best variety. My stock has won the highest honors of most of the leading shows. Stock and eggs for sale. Circular. A. P. GROVES, Chestnut Hill, Philadelphia, Pa. 13-2

Golden Wyandottes—First Cock at Boston, 1906, first and third cockerel Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 13-4

Whites of Stay White Wyandottes, Great Egg producers. Eggs 75 per cent. fertile. Satisfaction positively guaranteed; 15, \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. tf

Silver-laced Wyandottes. The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 13. H. F. CHASE, Andover, Mass. 13-4

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 13-6

Silver-laced Wyandottes; Winners at Trenton, Vineland, York, Litz, and Philadelphia. Fourteen prizes from fifteen entries, including two specials. Eggs, \$2 for 15; \$1 from farm flock. T. K. McDOWELL, Asylum Pike, Frankford, Philadelphia, Pa. 13-5

Columbian Wyandottes of the Best Prize Winning strains. Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y. 13-6

America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y. 12-12

Hacker's White Wyandottes. Hens, Cockerels, pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. tf

Eggs, Eggs! From Our Prize-winning Snow White Wyandottes, at half price after May 1. \$1 per 13. Quality and good hatch guaranteed. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. tf

White Wyandottes, Exclusively. Some Good breeders for sale, \$1.25 up. Orders from this adv. given my personal attention. Eggs, \$1.25 per setting; \$5 per hundred. H. E. WINSLOW, Taylorville, Ill. 12-11

Eggs From a Grand Pen of Partridge Wyandottes, \$2.50 for 15. Young stock for sale in the fall. ORLAND POULTRY YARD, E. W. Leonard, proprietor, Orland, Ill. 12-11

White Wyandotte Eggs from My Standard-bred heavy-laying strain, \$1 per 15; \$6 per 100. Satisfaction guaranteed. Circular free. R. C. IARMAN, Washington, N. J. 12-11

Silver-laced Wyandottes Exclusively for Ten years. Becketts original mating. Few fine laced pullets, \$1.50 each; eggs, \$1.50 balance of season. D. LEWIS, Keyport, N. J. 13-6

1,200 Buff Rocks and White Wyandottes for Sale. Pure Duston and Nugget strains; line bred for seven years, for eggs and show points. ALLEN SECHRIST, Port Trevorton, Pa. 12-12

COLUMBIAN WYANDOTTE CO., Yoe, Pa., Offers for sale their foundation stock, winners at Daltown, Hanover, York, Litz; 600 youngsters, now growing for the early shows. 13-1

Black Wyandotte Prize Winners; Stock and Eggs in season. GEO. H. BOYD, 1507 G St. S. E., Washington, D. C. 13-11

Buff Wyandottes; Eggs Now Half Price. This year's breeders, \$1.50 up. All good stock; some fine show birds. Circular free. J. E. WILMARTH, Amityville, N. Y. 13-5

High-class Line Bred Black Wyandottes, Exclusively birds for sale for show or breeding purposes. C. H. NESBITT, Riverhead, N. Y. 13-1

Buff Wyandottes, Richardson Strain, One Dollar each. THEO. HEWKE, Middletown, N. Y. 13-1

Columbian Wyandottes, Richardson Strain, Great layers. Choice cockerels at reasonable prices. Bred from prize stock. Write your wants to FRANK VAN WAGNER, Salt Point, N. Y. 13-1

## MINORCAS

Black Minorcas! Rose Comb and Single Comb; large, vigorous, Standard bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock or eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twining, D. C. tf

Rose-combed Black Minorcas (Northup Strain); 15 eggs, \$2. Best pen, \$3. EUG. A. LOISEAU, Spring Valley Ave., Hackensack, N. J. 12-11

Rose-combed White Minorcas, Prize-winning stock. Young birds and eggs for sale. No cheap stock. Write for circular. KENYON BROS., Elkland, Pa. 12-11

"Round's Ideal" Black Minorcas. Best Sitings only \$1.50 now. Good hatch guaranteed. Circular free. SPRING WATER POULTRY FARM, Owensboro, Ky. 12-11

For Sale.—15 Fine Rose-combed Black Minorca hens and fine cock; \$15 takes the lot. FRANK B. REID, Cumberland, Md. 13-1

## RHODE ISLAND REDS

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Houdans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. 13-4

R. C. Rhode Island Eggs for Hatching, \$1 per setting, \$5 per 100. Tutiles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Madison Square Garden, New York, Winnings 1905-06 on Rhode Island Reds; eggs, \$1.50 per setting; \$5.75 for 50; shipped any distance. WALKING HENNERIES, West Medford, Mass. 12-11

Rose-combed Rhode Island Reds Exclusively. We won silver cup at Philadelphia for best display; first prizes there, at Washington, D. C., and Wilmington, Del.; all in 1907. Write for booklet for prices, matings and winnings. Eggs for sale. GEORGE H. HOLLIS, 3 E. Ninth St., Wilmington, Del. tf

Lakemont Poultry Farm, breeders of Ward's Rhode Island Reds, exclusively. One thousand early hatched pullets and cockerels for sale. Free circular. Winter Park, Fla. 12-11

I Have a Lot of Rich, Red, Even-colored Youngsters, growing single comb, from my Cleveland winners. Sold on approval. IRA M. CROWTHER, "F," Willoughby, Ohio. 13-5

## BANTAMS

Have a Few Black Red Game Bants. J. HART WELCH, Douglaston, Long Island, N. Y. 13-4

Everything in Bantams.—The Largest Exclusive Bantam Plant in America. Stock always for sale. Catalog for the asking. CHARLES T. CORNMANN, Carlisle, Pa. 12-12

200 Chicks. Best I Ever Raised, Red Pyle, Black Reds and Pollish Bants, bred from Imported Parents. English Beagle Hounds. Bull Dogs. "DEBONAIR," Gloversville, N. Y. tf

Black, White and Partridge Pekins, Golden and Silver Seabrights, Red Pyle Game Bantams, R. C. Brown Leghorns and Buff Orpingtons, stock and eggs. J. SHERIDAN WELLS, Greenport, N. Y. 13-4

Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Buff and Black Cochins Bantams; Winners at New York, Stamford, and White Plains; 1st cock, 1st hen, 1st cockerel, 1st pullet—Madison Square Garden on four entries in Blacks. These birds and others just as good in my yards. A few birds of blue ribbon quality to spare. JAMES B. N. FITCH, Mt. Vernon, N. Y. 13-6



## Ostrich Growing



WE CONSTANTLY read in the magazines of the day descriptions of the ostrich farms of California. This portion of the country has become very attractive in recent years, from the fact that it has proven a place where people could grow fruits of all kinds at a profit. Recently, more than usual attention has been given to the cultivation of poultry and squabs through several of the states adjacent to the Golden Gate. One of the most preposterous statements, however, has been made relative to the growing of ostriches in that locality.

More than twenty years ago our attention was called to the cultivation of the African ostrich in California. We were invited by some capitalists to join with them and go to southern California for the purpose of taking an active part in the management of a small ostrich farm to be established. We have learned since that this farm never became a success until after some of the number had gone to Africa and spent more than a year there working with the natives in caring for ostriches, grown there in large numbers for the purpose of having the feathers to sell for ornamentation. Years of discouragement followed the inauguration of the early-day ostrich farms in California. They have since become partially a success, much of which has been obtained through selling pairs to others at very high prices. The actual profit from the feathers has not been nearly as enormous as some of the newspaper articles would

lead us to believe. Ostrich growing has been made profitable to a certain extent in California, but there is an enormous amount of work connected with it, and the ventures are no more positive of profitable results than starting a poultry farm.

A few seasons ago we made the acquaintance of some gentlemen who were carrying about with them racing ostriches—those that were ridden by a young man and raced against a polo pony; others that were driven to a two-wheeled light gig; the balance kept within a tent for exhibition. Those in charge were out for the purpose of advertising the ostrich, and to teach the people the proper methods of managing the ostrich from the egg to maturity. These eggs can be hatched in an incubator or by the mother ostrich, and some claim to have hatched them in sand heaps kept heated to the proper temperature. However this may be, no one should imagine that the only thing of importance in handling ostriches was to buy a few and set up business. It takes years of experience to study out and carry on the breeding of ostriches. It is not thought that any of the territory of this country will ever prove to be as profitable for ostrich growing as are the ostrich districts of California. At the same time any one interested in these might at any time visit the ostrich farms of southern California, and become familiar with the plans and methods carried on there, and thus be in a position to decide whether or not they would feel willing to invest in this kind of poultry farming.

## From the Pacific Coast

We received during the last week in June the following letter from Mr. Miller Purvis, written from his ranch at Olinda, Cal.:

"I have had your letter a long time, and have been too lazy to answer it. I was pretty badly run down when I came here, but am getting all right again. I expect to start east again in about ten days, but would rather stay here a little longer. Strawberries are gone, cherries about gone, and peaches are just getting ripe. Other berries are plentiful, and grapes will be coming on before long.

"I can sit right here and see the peak of Mt. Shasta, seventy miles away; from the east window I can see Mt. Lassen, seventy-five miles away, and from the back yard Mt. St. John looms up above the trees, ninety miles to the southwest.

"This is a dry country usually, no rains falling from May till October, but this year we have had two rainy spells, the last one just over. Two inches of rain fell, and the temperature went down to 49. We have peaches, apples, pears, cherries, nectarines, apricots, quinces, prunes, plums, and grapes in profusion. We have also lemon, orange, and olive trees, but none of them old enough to bear. Berries of all kinds grow freely, and the ranchers made money hand over fist. Strawberries yield about \$300 per acre, and peaches from \$200 to \$300. There are good markets near, and the land is easily worked. Eggs never get below 25

cents a dozen, and run up to 65 cents. All kinds of feed can be bought about as cheaply as in the East, and poultry houses need only be good enough to keep the rain off, as the temperature never goes more than six below freezing, and not often that low. It seemed queer yesterday to be picking ripe peaches and see snow falling on the mountain west of the house. We could see the snow coming down, and when the clouds cleared away we saw that the mountain had been turned white. Shasta, Lassen, and St. John are always white with snow, but the lower peaks lose their snow in June usually.

"This has been an exceptional year for rain and low temperatures, but as it is always far above freezing crops grow beautifully. Wild land sells for about \$25 an acre. Hunting is fine, quail coming right around the house, and we got a shot at a fox from the door yesterday. Deer are found in the foothills twenty-five miles away. We have a daily mail by star route, and telephones to any place we want to reach. I was over to Petaluma the other day, but was not much impressed with it. I saw thousands of chickens and hundreds of chicken men making money easily, but they are not fanciers in any sense of the word.

"Don't write me here, as I shall be starting home about the time you get this.

"Fraternally,  
"PURVIS."





## What Others Are Doing

**Y**OU can not but admire the active interest shown by the special breeder of guinea fowls in Ohio. Through his attractive articles termed "An Excellent Substitute for Game," we have had the hen fever that prays for growing ducks and squabs, and it now looks as though the next would be guinea fowls and pheasants, both of which are being pushed to the front remarkably fast under claims that they are as readily disposed of as gold dollars, and at very high prices. Undoubtedly there has been and will be money made in growing both guinea fowls and pheasants, the management of which demands experience. No one can succeed with them until they understand their handling.

Too much corn and too little meat is rather debilitating to the constitution and health of poultry. Poultry that is fed too much corn are thought to attract diseases more quickly than those that have been properly fed. The recommendation of kerosene for the care of chicken-pox, colds, rumps, etc., often leads to the too liberal use of it, the result of which is contaminated or badly flavored eggs and poultry. Poultry fed kerosene communicate the flavor to the eggs they produce. It also flavors the flesh of the fowls for many weeks to follow. One writer calls attention to the fact that cholera in poultry and hogs as well is almost exclusively confined to the great corn belts of the West.

The claim is now made that eggs may be kept fresh in salt water; that if a keg set up on end with a small faucet at the bottom and an opening at the top be filled with fresh-laid eggs, over which is sprinkled a handful of salt and then filled in with water, the eggs will keep in this kind of solution indefinitely, provided the salt and water is changed daily. The method

is to fill the receptacle with eggs, then the water, sprinkling over the top of same a handful of salt, permitting this to gradually work its way down through the eggs. One statement claims that eggs have been kept this way for two years. We do not believe that such is the case, unless the receptacle was kept in a very cool place; and even though it might be, calculate the cost of three hundred and sixty-five handfuls of salt as against a hundred eggs being preserved for a year. What would be the comparison of the cost of the salt and the worth of the eggs?

The most expert turkey-raisers of the West recommend as an absolute rule feeding the turkeys twice daily from the time they are hatched until sold to market. When being finished for market they should be fed even more than this. One writer states that the turkeys sold last winter averaged almost three dollars each, the result of this kind of growing.

A writer in the South tells us that it is very foolish to keep old hens, old roosters and old turkey gobblers or turkey hens; that they are scarcely fit to be fed to the customers of a cheap boarding house; that they should be gotten rid of at any price, and only young stock kept for reproducing. If this is the plan carried out in the South, no wonder their turkeys do poorly. A turkey hen in her third or even in her fifth year, if a good, strong, healthy hen, will produce better poult than the young, immature turkey hens; so long as a turkey hen has her strength and vigor, she will produce from the second to the fifth year better than will any yearling or young turkey hen. Gobblers are best in their second year. Immature hens, inbred too closely, has almost ruined many of the turkey flocks of this country. Strong, well-matured, vigorous hens, mated to the toms in their second year, is the best remedy for black-head.

## The Brabanconne Fowl

We noticed recently an article in the columns of Poultry, England, referring to the Brabanconne fowl. This article led us to suppose that this old-time breed was being fostered in England as an exhibition fowl. This breed was originally known as the Brabant, probably of German origin, credited by some as originating in Holland. From its appearance, one would imagine that it had been produced by crossing the Polish with some other breed of fowls. The only illustration of them we have ever seen shows a mark much like the Ancona fowl, having a shape somewhat like the Polish, with crest and beard both being white. In writing of them in the article above-mentioned, the representative of the club organized in the interest of the breed, states that there does not seem to be, up to the present time, any ideal type well enough established to claim for it true breed characteristics; that they are of irregular shape, color, and markings, the crests

not being true to any formation; but that the determination of those interested in the breed is to bring them to perfect breed formation, and to establish a standard description for them, which, they hope, will be so rigidly applied by the judges in the show rooms as to compel regularity of shape, color, and marking.

This fowl presents an opportunity to the ambitious fancier, much the same as did the Faverolle and the Lakenvelders. These, with the Campines, are the two new features of poultry culture abroad. The Campines have already appeared with us, but seem to fail to attract attention. Recent indications, however, point to the close cultivation of them on the other side. Some recent illustrations of the Campines show specimens as beautifully marked in plumage as are the most delicate Silver-penciled Hamburgs, the only difference being that the Campines have the single combs somewhat like the Leghorns.

Polish Bantams, Buff and Golden Laced; Also Blacks. The original strain which placed the Bantams in the Standard. Eggs 75c each; \$6 setting. PARK VIEW POULTRY YARDS, West Springfield, Mass. 12-11

Partridge Cochins Bantams. If You Want Good stock write to me. Grand shape and penciling; extra heavy toe feathering; highest honors at Boston, Providence, Brockton, etc. A few cockerels for sale. Eggs, \$2 and \$3. J. E. MORSE, Taunton, Mass. 12-11

Gold and Silver Sebright, Buff, and Black Cochins Bantams. The kind that wins. 700 birds for sale. Circular. CLYDE PROPER, Schoharie, N. Y. 13-10

Black, Buff, White, and Partridge Cochins Bantams, and Black-tailed Japanese Bantams for sale. WALTER A. SCHAFER, Mt. Pulaski, Ill. 13-1

Buff Cochins Bantams; \$5 and Upward per Pair. CHARLES JEHL, Long Branch, N. J.; winner SS Prizes at Great Madison Square, New York, Show. 13-6

Black Rose-combed Bantams; 3 Cocks, 3 Hens; choice exhibition birds, at prices that are right. ARCHON BANTAM YARDS, Dallastown, Pa. 13-1

### JAVAS

Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10 1-2 pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams, Little beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. tf

### ORPINGTONS

For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. tf

Orpingtons. We Have the Best in Rose and Single-combed Buff, White, and Black; winners at Madison Square, N. Y., Pennsylvania State Show, etc.; eggs at cut prices; catalogue. J. HAUPT CO., Easton, Pa. 12-11

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. 13-6

Diamond Jubilee Orpingtons. The Money Makers of the future. For eggs, broilers, market, or show room, they are unequalled. Don't change, or select your new breed, until you see our free circular. ISAAC F. TILLINGHAST, 65 High St., Factoryville, Pa. 13-7

At Cincinnati, First Cockerel, Fourth and Fifth cock, 3 special, 5 entries, 3 pens headed by first prize birds. Interesting booklet free. DELL FARM, Monaca, Pa. 12-11

Stock and Eggs from the Yards of S. D. Lance, Troy, Ohio, specialty breeder of high-class, Rose-combed, prize-winning Buff Orpingtons. Eggs, \$2 per 15. Good hatch guaranteed. 12-11

Cook's Strain, S. C. Buff Orpingtons. Eggs, \$2 per 30. Young stock in October. MISS JULIA JONES, R. F. D., Tohacoville, N. C. 13-7

Black and White Orpingtons. Write for Show record. Breeding stock and March chicks for fall shows. Sure winners. I. CROCKER, Seneca Falls, N. Y. 13-1

Buff Orpington Cockerels. A Few For Sale, \$2 to \$5 each; from 2d and 3d prize winners at Great Washington Show. C. E. GIBBS, Mt. Vernon, Va. 13-1

### BRAHMAS

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Johnstown; armchair Albany; Brahma Club Ribbons Frankford; Specials Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 13-4

1868-1907—Star Strain Light Brahmas; 8 on Pen, Boston. Eggs, \$3 per setting. For stock or eggs address, DR. N. V. HUTCHINSON, North Abington, Mass. 12-11

East View Poultry Yards, Box D, Ballston Spa, N. Y., offer prize-winning and choice breeding Light Brahmas at reduced prices. Also young stock for sale. 13-3

### FAVEROLLES

Faverolles—"The King of Utility Fowls." Also Lakenvelders. Send stamp for circulars. Dr. PHELPS, Glen Falls, N. Y. tf

Salmon Faverolles. Our Birds Are Bred to Win and lay. Won first in New York in 1907. Circular free. C. S. HARMA, West Hebron, N. Y. 12-12

### ANDALUSIANS

Blue Andalusian Exhibition and Breeding Birds a specialty; choice strain for heavy laying; eggs and stock for sale. JOHN H. WHITE, Anacostia, D. C. 12-11

Blue Andalusians, Partridge Wyandottes, Pekin Ducks, Brown and White Ferrets. Large package Howling Moh Sweet Corn seed, 25c. Eggs half price now. Circular for stamp. BAY RIDGE POULTRY FARM, Route 15, Jamesville, N. Y. 12-11

### COCHINS

Fine Partridge Cochins, \$2 to \$5 Each; Eggs, \$3 per 15. One pair Black Cochins, \$10. Prize-winners 25 years. DR. H. BALLARD, Cullom, Ill. 12-11

### GAMES

Warhorse and Gray Games and Eggs for Sale. Write for prices. R. W. BROOME, R. F. D. No. 29, Commerce, Ga. 13-5

Money Back if My White Indian Games Fail to please you. Large, hardy, all-purpose birds; 15 eggs, \$2. M. E. KENNEDY, Temple, Ga. Route 3. 12-12

All Varieties, Exhibition Games for Sale. Some grand birds to dispose of at once. Eggs for hatching. Orders booked in turn. JOHN A. CLARKE, Box 112, Pittston, Pa. 13-7

### LANGSHANS

White Langshans, Eight Years, Eggs from Choice matings, \$1.50 per 15. Bantam eggs wanted in exchange. Must be good stock. Circular. ERNEST CROSS, Racine, Ohio. 12-11

Thoroughbred Black Langshans. Hundreds of them for sale. Eggs reduced to \$1 per 20. Write your wants to THE ROSE LAWN POULTRY FARM, Auburn, Ind. 12-12

### LAKENVELDERS

Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. tf

### POLISH

Buff-laced and White-crested Black Polish, Winners of silver cup, Detroit, 1907. Old and young stock for sale. No eggs. VAN DAVIS, Detroit, Mich. 13-3

### SPANISH

White Faced Black Spanish for 1907; Largest layers; largest eggs. Stock \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

Home of the Spanish—Four Breeding Pens of choice birds for sale. Eggs, \$1 per setting the rest of the season. THOS. MURRAY, Columbus Ave., Sandusky, Ohio. 12-11

### HOUDANS

Standard-bred Houdans. Large, Fine Birds, Prize-winners. Line bred for ten years. Stock and eggs for sale, \$5 per setting. Indian Runner Ducks. Champion laying strain, \$2 per setting. A few good drakes for sale. K. VAN'T HOF, Grand Rapids, Mich. 12-11

### HAMBURGS

Silver-spangled Hamburgs; Show Birds and Ever-lasting layers. My matings are as handsome as any ever produced. GEO. V. FRYE, Lexington, Ohio. 12-11

### TURKEYS

Anxious to Raise Turkeys? Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

High-class Mammoth Bronze Turkeys Mated, not akin. Free range. Eggs, \$2.50 per 10. Pearl Guinea, \$1 per 15. CLIFFORD BURHANS, Route 4, Box 115, Sangerties, N. Y. 12-11

Two Hundred Genuine Wild Turkeys. All Varieties, including Mexican. One pen headed by largest wild tom in existence. R. L. BLANTON, Route 1, Farmville, Va. 12-12

### DUCKS

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Reduction Sale of Rouen Ducks—World's Best strain. Prices reasonable; absolute satisfaction guaranteed. Circulars free. Write F. D. FOWLER, Box A, Carlinville, Ill. 13-8

Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair, \$4. DR. IRA C. TYNDALL, Berlin, Md. 13-6

### PHEASANTS

Pheasants, 80 Varieties, \$2 Up. Most Beautifully colored birds of this world. Easier raised than chickens. Pay 1000 per cent profit. Bring to \$250 pair for mounting. Beautify your back yard; enjoy these handsome birds; zoological, ornamental stock, Swans, Homers, Dogs, Ponies, Bantams, Standard poultry, ducks, 90c setting, etc. Price for Catalogue, 100 pages, 200 illustrations, colored pictures, how to breed pheasants, etc., 25 cents. N. WICKS, Arlington, N. Y. 13-4



English Pheasants, Full Grown, Covert or Pen bred, \$4 per pair. October delivery. White Swans, pair, \$23. Other game and ornamental birds at very low prices. Jack Rabbits, each, \$2.50; discount on quantity. Write for what you want. DENLEY, Naturalist, New York City, N.Y.

## ORNAMENTAL

Fancy Pheasants: Rick-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotos, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercaillies. Write for price list. WENZ & MACK-ENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Water-fowl, Live Game, and all kinds of wild animals. 13-3

## FANCY PIGEONS

Pigeons! Thousands! Homers, Runts, Dutchess, Barmese Hen, Polish Lynx, Carriers, Dragons, Ponters, Pignoles, Fantails, Jacobins, Owls, Turbits, Biondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 8, Jacksonville, Ill. 11

200 Pair Mated White Homers.—Show Birds, Good Breeders \$2.00 a pair. Imported English Carriers and Dragons, all colors, from \$4.00 to \$25.00 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

For Sale—Magpies, Pigeons in All Colors. Show birds from \$5 per pair and up. Good stock birds for \$3 per pair. WM. EHINGER, 1327 N. 4th St., Philadelphia, Pa. 12-12

Carneaux, Maltese Hens, Pigeons, etc., Are money-makers. Lined colored bands for mating purposes. Write for advice and circulars. ERNEST L. WINSLOW, Greenwood, R. I. 13-1

Pigeons For Sale—English Dragoon, all Colors; White Homers, Arkangles and several other fancy colors. Homers in large or small lots for squab producers, all very cheap. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 13-1

White Dragons Exclusively. I Breed Stock birds only, from strong, healthy, imported birds. Guaranteed to please, or may be returned. Write for prices. WHITE DRAGON LOFT, Neff's, Pa. 13-3

60 Performing Tumblers, 10 pairs Black Fantails; also a number of Parlor Tumblers and Dragons. No fancy prices. WM. DOMMER, Green Island, N. Y. 13-1

## HOMING PIGEONS

Important and Valuable Information That Every one interested in pigeons should have, mailed free. Send postal to-day. HOWARD BUTCHER, Box 21, New Britain, Bucks, Co., Pa. 13-7

For Sale—White Homers, Pure Bred Stock, mated; per pair, \$2 up to \$6; also young birds for \$1.25 per pair. Address WEBSTER G. YODER, Boyertown, Pa. 12-12

Homing Pigeons. Breeding Stock and Squabs for sale at all seasons of the year. Also Great Dane dogs for sale. Address C. B. KROGMANN, Jr., 2002 Fourth Street N. E., Washington, D. C. 12-12

Mandalay Squab Co. Will Supply You With bright, snappy, rapidly breeding, blue or red Rock Homers, at \$2 per pair. Address MANDALAY SQUAB CO., Buffalo, N. Y. 12-12

Jumbo Homers. Guaranteed Mated, Working pairs, at reduced price of \$1.50 pair. For photo of this stock, write. Mention Feather. E. M. POULSON, Box 55, Bedminster, N. J. 12-12

100 Working Pairs Homer and White Duchess for fancy squabs, a few Dragons and White Homers; also crosses; prices reasonable. M. E. RIDGELY, Benson, Md. 13-3

Now Is Your Time to Buy First-class Birds cheap. I am closing out my entire loft of forty pair of choice squab breeding homers. They are large and very prolific; \$40 takes the lot. Don't miss this opportunity. Also three pair Giant Runts, \$5 per pair. The three pair, \$12. Also four pair White Dragoon, \$4 per pair. S. F. TEN EYCK, Hurley, Ulster Co., N. Y. 13-4

Homers for Racing, Show, or Squabs; Finest whites or colored; young or old. I positively guarantee satisfaction or your money back; Whites, \$1.50 and \$2; Colored, \$1 up. F. D. KINTZ, Letter Carrier No. 1, Seven Valleys, Pa. 12-11

Youngsters from Large Prolific Homers. Price, \$1 per pair. Start with these and you are sure of good stock. MELVALE PIGEON FARM, Melvale, Md. 13-1

## EGGS

Eggs for Hatching from Heavy Laying Single-combed White Leghorns and White Wyandottes. Also Buff Pekin Bantams and White Guineas. Four pair Pea Fowls for sale. THE IDEAL EGG FARM, Westport, Orleans Co., New York. 13-5

Eggs for Hatching. Rose-combed Black Minorcas; always lay but never set; if you want eggs keep this strain; \$2.50 for 13. Address MISS BERTHA E. LEWIS, Voluntown, Conn. 13-5

Eggs—Cheap and Good. Wyandottes, Silver-laced, Golden, Buff and White; Polish, White, and Golden. Also Pekin Duck, \$1 per 15. Orders filled promptly. J. W. NOYCE, Stockton, Kas. 12-11

## FERRETS

Send 10c for Catalogue and the Greatest Book published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

5,000 Ferrets. Buy Direct from the Breeder. I can save you money. Just the size to carry in your pocket to hunt rabbits. Sure death to rats. Send stamp for large illustrated book and prices. LEVI FARNSWORTH, New London, Ohio. 13-3

## DOGS

Collie Puppies.—A Few Very Fine Females Fully pedigreed for sale. We also have at stud, a very fine three-year-old dog, with an excellent pedigree. \$5. CRYSTAL POULTRY FARM, Washington, N. J. 11

At Stud. Imported Thorndale Hope. Winner in Scotland (St. Louis World's Fair), Chicago. Choice puppies for sale. Illustrated catalogue free. DELL FARM KENNELS, Monaca, Pa. 12-11

Scotch Collie Pups, Females, \$6; Males, \$8. Also bitches open or in whelp by sons of England's famous winning sires. EDGEVALE KENNELS CO., Wadeau, Minn. 12-12

For Sale.—Beagles and Fox Hounds, Thoroughly broken. Will be as represented and shipped on trial. Price will be right. WILLIAM T. DOUGLASS, Dallastown, Pa. 13-1

Red Irish Setter Pups, by J. H. KUEHLING'S "Dick," \$5 each. C. E. GIBBS, Mt. Vernon, Va. 13-1

Beagles! Beagles! Cheap. Broken dogs, \$10; bitches, \$8; "Trial" Puppies, male, \$5; female, \$3.50. Also Silver Sebright Bantams, cheap. RELIABLE BEAGLE KENNELS, Seven Valleys, Pa. 13-1

## TAXIDERMY

The Art of Skinning, Stuffing, and Mounting birds, animals, etc., easily learned. "The Taxidermists Manual," with complete instructions and diagrams sent postpaid on receipt of 25 cents. OHIO PHEASANTRY, Columbiana, Ohio, U. S. A. 13-1

## INCUBATORS AND BROODERS

"The Little Red Hen."—The Latest and Most sensible Chick Brooder. Nest style hover. Natural heat, and can be carried in the hand. Holds only enough chicks to be cared for properly. Nestful of chicks with it if desired. All leading varieties. WINFIELD, BEECH & COMPANY, Salem, N. Y. 12-11

## WANTED

Wanted.—200 Golden Hamburg Pullets; Also Baby Golden Hamburg chicks. JNO. TRICE, Clough, Ala. 12-11

## PET STOCK

For Sale.—One pair Year-old Lop-eared Rabbits; color, black; also young lop-eared bucks. J. E. KENNEDY, Box 23, Frederick, Md. 12-11

## SUPPLIES

For Harding's Baby Chick Feed and Poultry remedies, write ERNEST W. MILLER, Hagerstown, Md. Our motto—"Money back if not pleased." 12-11

Ernest W. Miller, the Live Poultry Supply Dealer of Hagerstown, Md., has added Conkey's line of Poultry Remedies, and will mail, postage prepaid, to any address. Book on Poultry Diseases free. 12-11

For Sale, Cheap—Prairie Slab Incubator, Humphry brooder, Daisy bone-cutter. BOX 63, West Cheshire, Conn. 11

## BOOKS

System in Poultry Practice, Book by James Shackleton, sells throughout the English speaking world. Price, \$1. Circular free. JAMES SHACKLETON, Box 567, Milbarn, N. J. 13-1

The Homing Pigeon. The Latest Book on These fascinating birds. 16mo., printed on excellent paper, and profusely illustrated, it is a little gem. Price, 25 cents. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

The Diseases of Poultry, by D. E. Salmon, D. V. M., is the only standard and reliable work published in the English language on this important subject. 248 pages and 72 illustrations. Price, 50 cents, post-paid. Address, GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Pocket-money Poultry, by Myra V. Norys. Written particularly for women, but the experienced poultryman also will read this book with both pleasure and profit. A complete guide to poultry keeping, and thoroughly illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.



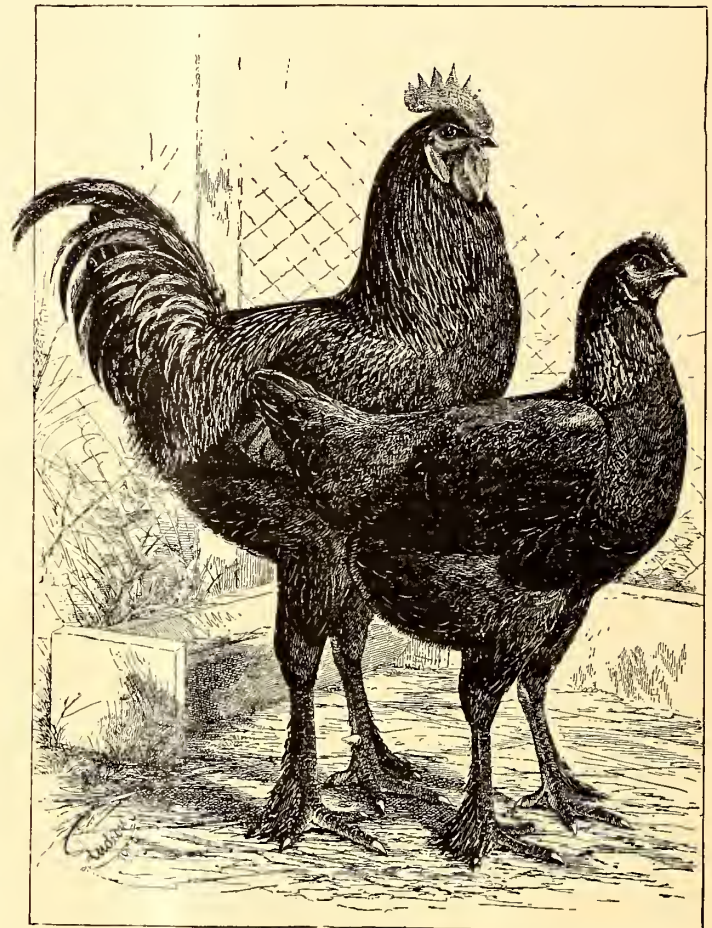
## Business World

We received too late for publication in our July issues the notice of the Field Meeting of the Connecticut Poultry Association, held at Storrs, July 24. This proved to be one of the most interesting, instructive, as well as social features of all that have been marshaled by Professor Graham, of the Agricultural College.

The Olentangy Poultry Yards at Delaware, Ohio, under the management of Mr. Chas. C. Reid, have become quite prominent in the production of Rhode Island Reds. The manager writes us he has a grand lot of young stock ready for early fall delivery. Write for his circular and secure a copy of the beautiful illustration of his Rhode Island Reds.

western world for growing Buff Cochins fowls. He recently sent us a photograph of some of his young chicks, which are so promising that we think all our readers should know of them so as to be informed of the whereabouts of good exhibition Cochins for winter shows. We published a short time ago from Mr. Martin's pen a nice article on the Cochins fowl. Have now another in hand telling how to choose a breed.

July Farming pays attention to the Malines, the great general-purpose fowl of Belgium. They have some remarkably good illustrations of them, but when they state that this breed is unknown except to one or two Americans, we think they are in error.



LANGSHANS

This is the season of the year when capons should be made. The Geo. P. Pilling & Sons Co., of Philadelphia, Pa., are doing a great work in the improvement of instruments of all kinds to be used in caponizing. They are so anxious that every one should be fully up to date in these appliances that they are more than desirous to send to all of our readers who will send a postal card to them asking for same, a circular telling of all their appliances. We trust that every one who should like to have a capon or two at home will write for this beautiful circular.

Mr. Edgar H. Swain, of Martinsville, Ind., has become very prominent in the

The New England Poultry Journal has been purchased by the Consolidated Publishing Company, of New Haven, Conn., and will be issued in the future from that city. Mr. P. C. Butterfield is the editor.

Do not forget the fact that the entries for the Allentown Fair will close September 7. Send for catalogue to H. B. Schall, secretary, Allentown, Pa. The \$1,000 in gold and silver to be offered there should be most attractive to all of our readers. Allentown is a great place to show your poultry.

Mr. Chas. Jehl, of Long Branch, N. J., offers some of his elegant Buff Cochins





## Business World

(Continued)

Bantams in the classified columns of this issue.

Letter just received from Mr. A. C. Hawkins informs us that he had a large demand for Columbians this season, and that he has a splendid lot of young stock for sale this fall. Mr. Hawkins has been most fortunate in producing Plymouth Rocks and Wyandottes of all kinds. He usually wins when he exhibits.

Mr. L. H. Perry, of Clay, New York, who breeds those elegant Barred and Buff Plymouth Rocks and Rose-combed White Leghorns, writes us that he has been most successful in his breeding this season, and that he has some wonderfully nice birds to offer at the present time.

The molting season having arrived, every one keeping poultry will be anxious to know the best kind of food to feed the poultry at this season of the year. The Richmond Abattoir, Sixth and Cary Streets, Richmond, Va., state that protein fed during the molt with a good proportion of fat, will cause your fowls to molt quickly and put on a glossy, heavy plumage. "Rarva" Meat Meal, 85 per cent. protein, 7 per cent. fat, contains these essentials in the correct proportion, and its use at the molting season will insure healthy hens, well feathered early in the fall. If you will write to the Richmond Abattoir, at the above address, and say that you noticed this in THE FEATHER, they will gladly send you a sample of their "Rarva," and full information as to the best method for treating molting hens.

Every farmer who has not seen the new mineral surfaced type of roofing should send for an Amatite sample. Ama-

tite is the best of the mineral surfaced roofings, and its manufacturers will send a sample of it free to any one who asks for it. They believe that as soon as the users of ready roofing appreciate the advantages of Amatite, which requires no painting or coating to keep it in good repair, they will make friends everywhere for the mineral surfaced idea.

The fact that it requires no painting makes Amatite more valuable than roofings that require painting, but as a matter of fact the price is considerably lower than that of most of the roofings now on the market.

Drop a postal to the manufacturers at their nearest office and they will be glad to send you a sample by return mail.

The manufacturers are the Barrett Manufacturing Company, New York, Chicago, Cleveland, Allegheny, Kansas City, St. Louis, Minneapolis, Philadelphia, New Orleans, Cincinnati.

Have just received from Mr. Geo. H. Northup, Raceville, N. Y., copy of his beautiful new catalogue. Mr. Northup has just taken his son, Marcus, into partnership with him in the poultry business, and is offering about one-half of their entire lot of Single-combed Black Minorca breeding stock for sale. Any one interested can have a copy of this beautiful catalogue by writing to Mr. Northup for one.

## Catalogues, etc., Received

John R. Jones, Suffield, Conn., Circular.  
F. B. Zimmer, Gloversville, N. Y., Descriptive Spring Price List.  
Connecticut Agricultural College, Storrs, Conn., Summer School Bulletin.  
A. E. Jones, Elkland, Pa., Circular.  
Locust Lawn Farm, Aurora, Ill., Catalogue on Scientific Egg Culture.  
U. R. Fishel, Hope, Ind., Special Sale List, 1907.

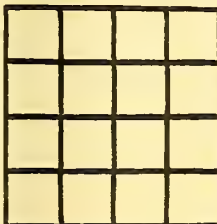
# \$50.00, CASH, FREE

## Can You Count the Squares?

Here, for once is an original puzzle—one that you have never tried before.

Can you count the squares in the figure opposite? It looks easy at first, but it takes quite a little insight and skill. There are a lot more squares in the figure than you would at first ever suppose. For instance, there are sixteen little squares to begin with; then there is the big square itself, on the outside of the figure—and a lot of other squares, too, if you are shrewd enough to find them.

This puzzle looks simple, but if you can make out as many as seventeen squares, send in your list at once—immediately—for the first prize winner may not secure more than that many.



## \$50.00 IN PRIZES

solution of the largest number of squares we will give \$25.00 in cash; to the second largest number, \$10.00 in cash; to the third, \$5.00; to the next five, \$1.00; the next ten, 50 cents each. Furthermore, there are no conditions whatever connected with the contest. When "ties" occur for prizes, such prizes will be divided between the contestants who may be "tied." If you count the squares best, you are absolutely sure of winning something, therefore send in your count at once—to-day.

We give away this money expressly to introduce William Randolph Hearst's great new monthly periodical, HEARST'S AMERICAN HOME MAGAZINE. Therefore no money is required from you whatever, as we make this offer in order to secure your address and to send you—absolutely free—a beautiful copy of what Mr. Hearst intends shall be the greatest high-class magazine of its kind ever published. This contest, consequently, is absolutely without restrictions of any nature. Therefore, send in your solution at once—to-day—it costs you nothing, and, in addition, we will show you how you can also take part in another contest which we are conducting, in which there will be distributed monthly \$1,075.00 in cash and special prizes. Address HEARST'S AMERICAN HOME MAGAZINE, 2573 Eighth Ave., New York City

to be distributed Sept. 1, 1907. To the person sending in the correct, or nearest correct, as well as the cleverest

The American Fancier Poultry Book, by Geo. E. Howard, is one of the best books ever offered to our readers. It is a practical book and should be in the homes of all lovers of poultry. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Money in Squabs, by J. C. Long and G. H. Brinton. The only practical book published on raising squabs for market, and is of untold value to all interested in raising pigeons for pleasure or profit. Profusely illustrated. Price, 50 cents, post-paid. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Squab Book," by W. E. Rice, is one of the latest additions to The Feather Library. This new book, with its questions and answers, is indeed a treat for squab breeders. It is printed on enameled paper and is profusely illustrated. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"The Feather's Practical Pigeon Book," by J. C. Long, is superbly printed on calendered paper, and illustrated with a half hundred fine half-tones. This book is credited with being the best and most practical book published on breeding and raising all kinds of pigeons. No library or home of a pigeon fancier is complete without it. The illustrations are said to be the finest and most accurate ever drawn. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

"Plymouth Rocks," by T. F. McGrew, contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

Wyandottes. This Valuable Volume Was Written by T. F. McGrew. It contains ten colored plates of the several varieties of Wyandottes, and other illustrations in black and white. It is for the benefit of breeders of Wyandottes that this book is issued, and it should prove of considerable value to all interested in these fowls. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth St. N. W., Washington, D. C.

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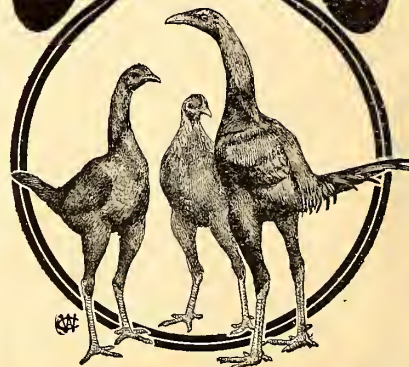
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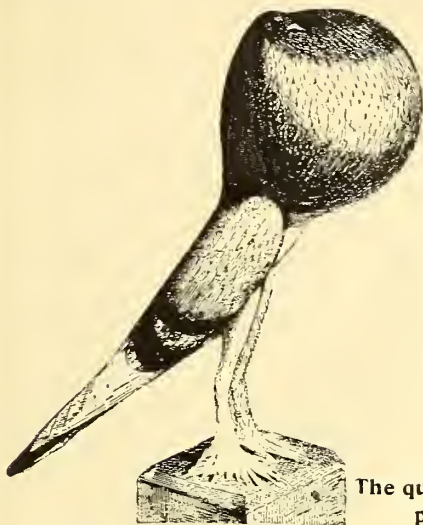
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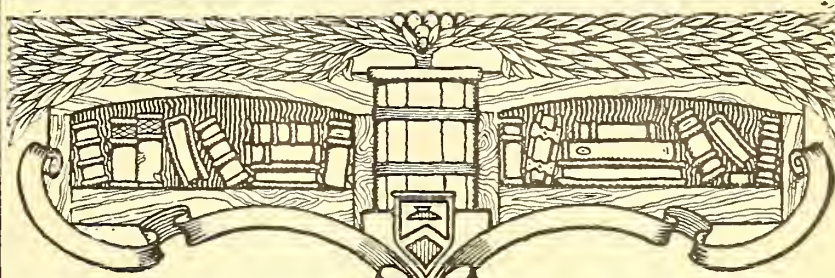
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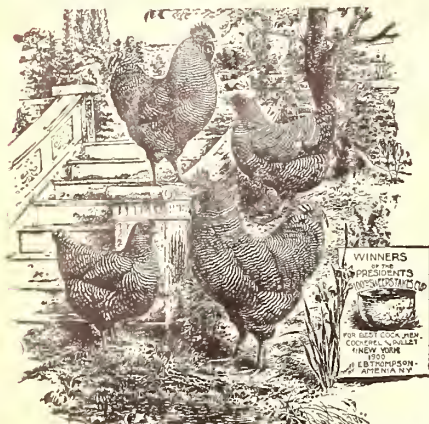
Stamped their superiority in the Most Decisive Manner, winning again the Superb Challenge Trophy, value \$100, for best cock, cockerel, hen, and pullet. This is the third time the "Ringlets" have won this Grandest of all Prizes, giving them now absolute and final ownership. And in this "Colossal Conflict" the "Ringlets" lifted the Great National Sweepstakes Cup, presented by the American Plymouth Rock Club for best cock, cockerel, hen, and pullet. My Barred Rocks won Double the Number Silver Cups and Special Prizes of any competitor, including the "Sweepstakes" Special in Gold for Best Plymouth Rock on exhibition, Male or Female, any variety. The "Ringlet" World's Record of Four Years in Succession at New York is a page of history. The "Ringlet" Record of first on exhibition-pen at this Great Show, three years in succession, is the undisputed Champion. My Clean Sweep of

### 1st, 2d, 3d, 4th, and 5th Prizes

On Pullets has never been approached at Madison Square Garden and stands alone and unequalled. The "Ringlets" have won at New York (Exhibited by me personally) a grand total of 101 prizes—48 of these are 1st and Specials being more than double the number 1st and special prizes won by any competitor in the history of the show. **SHOW BIRDS** fit to win in any competition. Elegant Breeders for sale in any numbers. **600 GRAND BREEDING COCKERELS.** New Richly Illustrated 36-page Catalogue on application. It is full of original illustrations of New York Winners from life.

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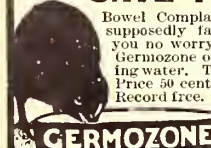


Winners of the President's \$100 Sweepstake Cup for best cock, cockerel, hen, and pullet at New York.

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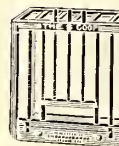
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Vol. XII No. 12  
September, 1907



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WJC--CJL Per W. J. Curtiss

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At New York, in the strongest show of Barred Rocks ever seen, 451 Birds, I won 1st, 2d, 3d and 4th Cockerels; 1st, 2d and 3d Pullets; 1st and 3d Cocks; 1st and 2d Hens; 1st and 2d Breeding Pens. My other varieties are of the same high quality. Hundreds of choice exhibition and breeding birds at honest prices. EGGS from Prize Matings: one setting, \$5.00; two settings, \$8.00; three settings, \$10.00; five settings, \$15.00. \$20.00 per 100. Catalog of America's finest Plymouth Rocks and Wyandottes free.

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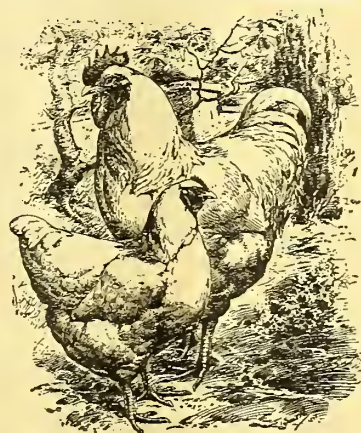
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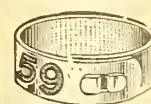
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A Concise, Illustrated Treatise of the Recognized Breeds of Poultry, Turkeys, & Water-fowl

Written by T. F. McGREW & GEO. E. HOWARD

With Illustrations by LOUIS P. GRAHAM



HAT the poultry interests of America have long demanded a book like this can not be doubted. The great volume of literature on the subject is so disconnected, that it would be next to the impossible to trace the subject-matter with any degree of satisfaction. Therefore, the importance of having in one volume the information pertaining to the Perfected Poultry of America has long been realized by those interested in the poultry industry.

The authors appreciated this fact very fully, and began the foundation work years ago, fully understanding their responsibilities and obligations to each individual variety of fowls herein presented. It is essential for every breeder of thoroughbred poultry, desiring success, to have a better understanding of his fowls, and he should not only know their history, qualifications, and general appearances, but their points of excellence as well. To do this properly, we have drawn upon every source of information at our command, and have endeavored to present our results without partiality to any breed or variety. We have given the facts and truths of the recognized breeds of Perfected Poultry as we have found them in every day life, using living models, and personal experiences as the foundation of our work.

The illustrated portions of this book are unusually interesting, and are presented with a great deal of satisfaction. The artist has performed his work well, and his models have been the best to be found. No attempt has been made to idealize the specimens, but rather to give drawings that would be recognized and appreciated for the types of fowls to be seen in the average breeding yards or show rooms of the country. These drawings probably will be criticised in some minor details, yet, as a whole, we are satisfied they will be regarded as typical specimens of the American breeder's fancy, and will be given credit as being a truthful portrayal of breed types. As a reference book, it should prove of untold value to every breeder and fancier and by following its pages the chances of success in breeding and mating should be enhanced for the expert as well as the novice.

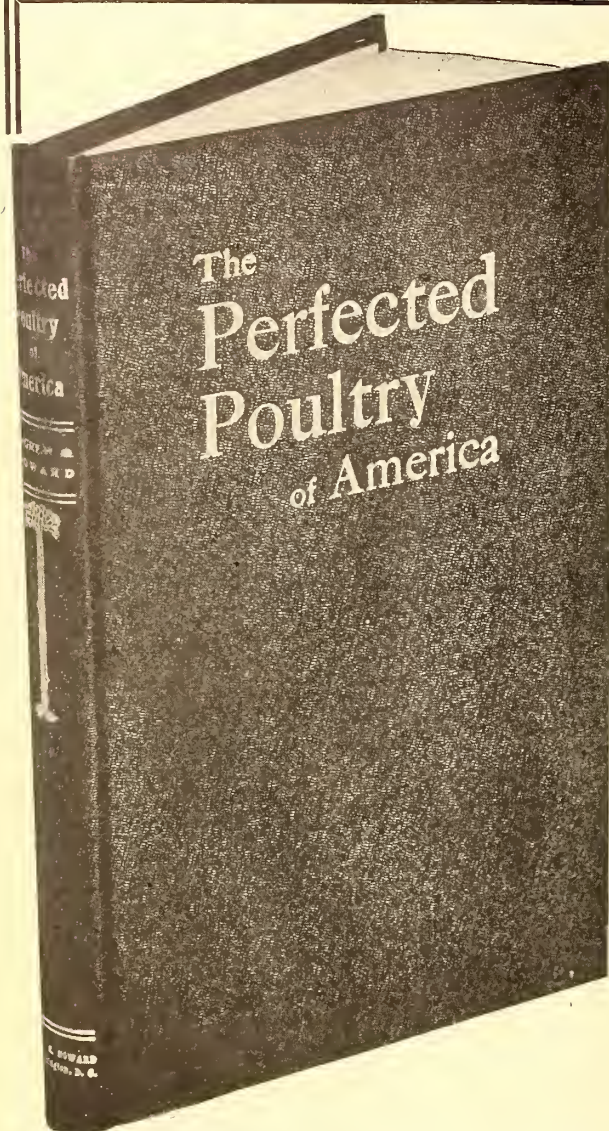
## Contents

### FOREWORD.

THE ASIATIC BREEDS. Brahmas, Cochins, and Langshans.  
THE AMERICAN BREEDS. Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, and Buckeyes.  
THE MEDITERRANEAN BREEDS. Leghorns, Minorcas, Spanish, Andalusians, and Anconas.  
THE ENGLISH BREEDS. Dorkings, Red Caps, and Orpingtons.  
THE POLISH BREEDS. Bearded Golden, Bearded Silver, and White-crested Black.  
THE HAMBURG BREEDS. Silver-spangled and Silver-pencilled.  
THE FRENCH BREEDS. Houdans, Crevecoeurs, and La Fleche.  
GAMES. Black-breasted Red, Brown Red, Cornish Indian, and Black-breasted Red Malay.  
BANTAMS. Silver Sebright, Black-tailed Japanese, Red Pyle Game, Duckwing Game, White, Black, Brahma, and Cochins.  
TURKEYS. Bronze and Narragansett.  
WATER-FOWL. Tonlouse, White Embden, and African Geese, Pekin, Ronen, and Indian Runner Ducks.  
Other illustrations to be added.

## Illustrations

ASIATICS—Light Brahma male and feathers. Light Brahma female and feathers. Dark Brahma male and feathers. Dark Brahma female and feathers. Buff Cochins male and female and feathers. Partridge Cochins male and feathers. Partridge Cochins female and feathers. Black and White Cochins. Black and White Langshans.  
AMERICAN—Barred Plymouth Rock male and feathers. Barred Plymouth Rock female and feathers. White and Buff Plymouth Rocks. Golden-faced Wyandotte male and feathers. Golden-faced Wyandotte female and feathers. Silver-faced Wyandotte male and female and feathers. White and Buff Wyandottes. Partridge Wyandotte male and feathers. Partridge Wyandotte female and feathers. Silver-pencilled Wyandotte male and female and feathers. Columbian Wyandotte male and female and feathers. Black Wyandotte male and female and feathers. Mottled Java male and feathers. Mottled Java female and feathers. Black Java male and female. Rose-combed Dominique male and feathers. Rose-combed Dominique female and feathers. Single-combed Rhode Island Red male and female and feathers. Rose-combed Rhode Island Red female and feathers. Buckeye male and female and feathers. Buff and feathers. Single-combed White Minorcas. Rose and single-combed Black Minorcas. Rose and single-combed White Minorcas.  
ENGLISH—White Dorking male and feathers. White Dorking female and feathers. Silver-gray Dorking male and feathers. Silver-gray Dorking female and feathers. Colored Dorking male and feathers. Colored Dorking female and feathers. Red Cap male and feathers. Red Cap female and feathers. Single-combed Buff Orpington male and female. Rose-combed White Orpington male and female. Jubilee Orpington male and feathers. Jubilee Orpington female and feathers. Single-combed Black Orpington male and female.  
POLISH—Bearded Golden Polish male and feathers. Bearded Silver Polish female and feathers. White-crested Black Polish male and female.  
HAMBURG—Silver-spangled Hamburg male and feathers. Silver-spangled Hamburg female and feathers. Silver-pencilled Hamburg male and feathers. Silver-pencilled Hamburg female and feathers.  
FRENCH—Houdan male and feathers. Houdan female and feathers. Crevecoeur male and feathers. Crevecoeur female and feathers. La Fleche male and feathers. La Fleche female and feathers.  
GAMES—Black-breasted Red Game male and feathers. Black-breasted Red Game female and feathers. Brown Red Game male and feathers. Brown Red Game female and feathers. Cornish Indian Game male and feathers. Cornish Indian Game female and feathers. Black-breasted Red Malay male and feathers. Black-breasted Red Malay female and feathers.  
BANTAMS—Silver Sebright Bantam male and feathers. Silver Sebright Bantam female and feathers. Black-tailed Japanese male and feathers. Black-tailed Japanese female and feathers. Red Pyle Game Bantam male and female. Duckwing Game Bantam male and female. Rose-combed White Bantam male and female. Rose-combed Black Bantam male and female. Light Brahma Bantam male and female. Dark Brahma Bantam male and female. Partridge Cochins Bantam male and female. Buff Cochins Bantam male and female.  
TURKEYS—Bronze male and female. Narragansett male and female.  
WATER-FOWL—Tonlouse male and female. White Embden male and female. African male and female. Pekin drake and duck. Ronen drake and feathers. Ronen duck and feathers. Indian Runner male and female and feathers. Other illustrations to be added.



MEDITERRANEAN—Single-combed Brown and White Leghorns. Rose-combed Brown Leghorn male and feathers. Rose-combed Brown Leghorn female and feathers. Buff and feathers. Single-combed White Minorcas. White-faced Black Spanish male and female and feathers. Andalusian male and feathers. Andalusian female and feathers. Ancona male and feathers. Ancona female and feathers.  
ENGLISH—White Dorking male and feathers. White Dorking female and feathers. Silver-gray Dorking male and feathers. Silver-gray Dorking female and feathers. Colored Dorking male and feathers. Colored Dorking female and feathers. Red Cap male and feathers. Red Cap female and feathers. Single-combed Buff Orpington male and female. Rose-combed White Orpington male and female. Jubilee Orpington male and feathers. Jubilee Orpington female and feathers. Single-combed Black Orpington male and female.  
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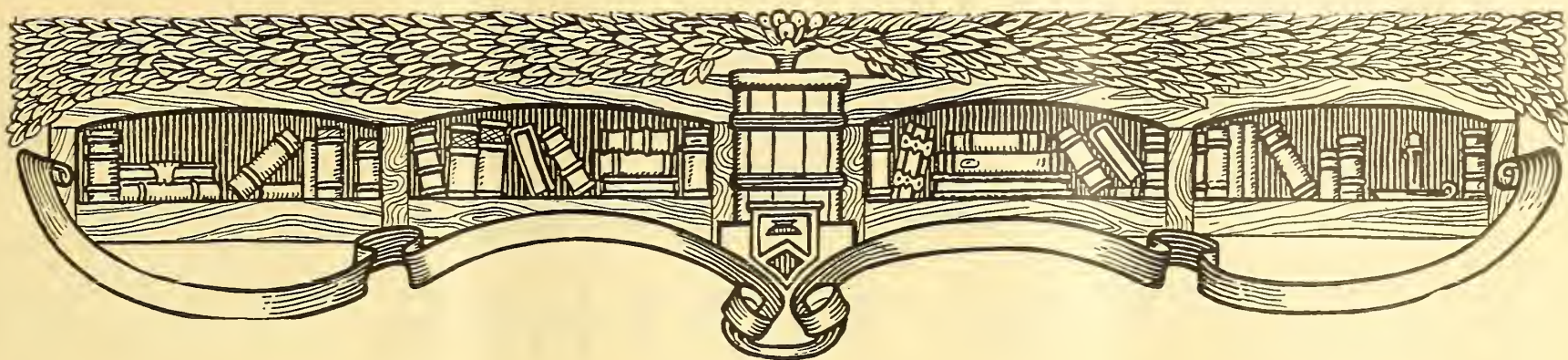
To EVERY ONE who in any way is INTERESTED in THE PERFECTED POULTRY OF AMERICA this book is respectfully dedicated

The first edition of this great book will be issued on Oct. 1, 1907, and advance orders will be filled in rotation

The book is printed on heavy plate paper and is handsomely bound in cloth, and THE PRICE IS \$2.50 a copy, post-paid. Make all orders and remittances to

Geo. E. Howard, Publisher, 714 Twelfth St. N. W., Washington, D. C.





## The Wyandotte Articles

**W**ITH this issue we close our series of articles on the Wyandotte. We have fully illustrated this breed, and told of them as we find them to-day, both in this country and England. Our readers have the advantage of seeing in photo portraiture the actual fowls as they appear in the show-room. This is far more instructive than the ideal illustrations can be. We, all of us, build air-castles or dream of things impossible, but we can not all of us see the winners that are so highly praised and criticised through the press.

The cover-page and half-tone illustrations of White and Silver Wyandottes are made from photos of living specimens. These illustrate the type that has won, as well as the type that we imagine the Standard describes. If any of our readers can send us a photograph that excels the white male and female for type, we shall be glad to publish it and admit that better ones than those we use as illustrations have come to light. We always try to show our readers the best to be found, seen through the camera, and shall continue in this until a better method is discovered.

## Photographic Contest

The prize contest for photos, as described on this page for four months past, will continue up to and including November 30, 1907. For full particulars see the "Shop Talk" page of THE FEATHER each month since May. The prizes offered are as follows:

Three dollars for the best photo of hen with chicks.

Three dollars for the best photo of group of half-grown chicks.

Three dollars for the best photo of group of old fowls.

Three dollars for the best photo of pair of old fowls.

Three dollars for the best photo of single bird.

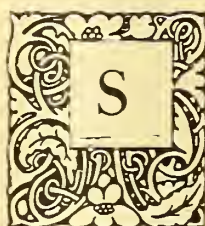
Two dollars for second-best photo in each of these classes.

One dollar for third-best photo in each of these classes.

Poultry, turkeys, ducks, geese, and bantams are all eligible for competition.

Photographs made by any one may be submitted, providing the consent of the photographer is obtained by the sender, who will become the competitor, each of whom must be a subscriber, as only subscribers to THE FEATHER are to be considered in placing the awards, which, having been decided, can not be appealed.

## SHOP TALK



**S**INCE the 1st day of March last the subscription list of THE FEATHER has tripled, an evidence of growing popularity, which was portrayed in the map printed on page twenty-one of our July issue. Since that count was made quite an increase of both circulation and news-stand sales has been added to our list. An extended trip through the West furnished the opportunity to meet fanciers here and there, all of whom spoke in the highest praise of our efforts to advance the poultry interests for the benefit of every one. Nothing, they say, has been done for years to equal our effort to illustrate the true value of standard qualities, with the accounts of how to produce them. The articles on Science of Breeding, they say, should be published in book form and called "The Fancier's Compass."

We have gathered photos of winning White and Barred Plymouth Rocks. These we shall use to illustrate the type that has won East and West, not by ideal sketch, but the true portrait of the specimens themselves, so as to carry to your homes living images of the winners, as far as it can be done by photographs. This series of articles will follow the September issue and continue until the Plymouth Rock family has been fully described as it is found to-day in the show-room. We can point with pride at the work of the past nine months allotted to Wyandottes, and promise to give equal prominence to the Plymouth Rock family.

THE FEATHER should go to the home of every one interested in the keeping of standard-bred fowls of any kind. To the beginner and the long-time fancier it is of equal interest. Every one who sees THE FEATHER studies its pages from cover to cover. Those who are shown the cover-page illustration can scarcely resist its influences. For these reasons it is the most profitable of all mediums for the subscription agents and our advertisers as well, both of whom talk and sing in praise of our real value, to which our subscribers add their approval, and whose expressions of appreciation are seen continually on this page under "What Others Have to Say."

No ability is displayed in publishing a paper to please those who issue it, but real ability can be shown through pleasing others. This we strive for to the fullest extent. When you suggest a line of thought it aids us in this. Help us to satisfy the wishes of others through your ideas, conveyed to us as a guide-post for future efforts. Tell us what you and others wish us to write about and illustrate. Tell us what you think of our past efforts and how we can improve them. Your interests are ours to the fullest extent, and we shall use our best effort to aid our readers in every possible way.

## Our Advertising Rates

Beginning with October 1, the following advertising rates will be charged for those who use our advertising columns. Contracts made prior to October 1 can be made at the present rate.

The advertising rate in THE FEATHER is 15 cents per line, fourteen lines to the inch, \$2.10 per inch per insertion.

Discounts—Two per cent. discount for three months' payment in advance; 5 per cent. discount for six months' payment in advance; 10 per cent. discount for one year's payment in advance.

Classified ad rates in THE FEATHER are as follows: Twenty-five (25) words or less, one time, \$1; three times, \$2; six times, \$4; twelve times, \$7. Additional words at the rate of 4 cents each for one insertion, or 3 cents each for each insertion when run three times or more. Payable in advance.

Special positions ten (10) per cent. additional.

No discount on class ads.

Forms Close—THE FEATHER forms close the 20th of the month previous to date of publication.

## Coming Attractions

With the October issue begin the articles telling how to produce Plymouth Rocks, how they have been produced, and profuse illustrations of what have been produced. We shall include in this article photo illustrations of prize winners, East and West. We shall be delighted to have you send us photos of prize-winning Plymouth Rocks of all varieties. If meritorious and of a finish that will reproduce in half-tone, we can use them to illustrate the articles, from time to time, as the variety they represent is considered.

The articles on Science of Breeding will be continued and extended so as to include all breeds and varieties of fowls included in the Standard. Articles on unfamiliar varieties of Wyandottes, from the pen of English and American fanciers; articles from several ardent producers of squab breeders, and other features of more than passing interest will be published in the near future. There will not be any lack of interest in our pages, but on the other hand they will gladden with bright things of interest to all. The illustrated articles on the Phoenix Fowl, promised in our July issue, has come to hand, and we can assure our readers that nothing like it has ever been published. This alone will be worth three years' subscription to THE FEATHER.

## Our Illustrations

THE FEATHER illustrations, as they are now termed, have attracted the world. From far-off Athens comes a request, written in French, which conveyed the fact that even in Greece our illustrations can be understood. Fanciers throughout the country admit the superiority of the Barred Rock illustrations over any previous efforts. Notwithstanding all this, we can promise better ones for the future, which will so closely imitate nature as to almost live before your eyes. Every one can have their fowls as beautifully presented as those on the cover page, at a reasonable cost, if application is made at this office.

## Claim an Agency

"It is a pleasure," writes an agent, "to take subscriptions for THE FEATHER. It is so beautiful, so attractive, so instructive, and so unlike any other publication." You will find it the same if you will claim an agency and canvass for THE FEATHER and our books, all of which are advertised in our columns. Consider this well, and write to us at once, so that you may begin the fall and winter campaign for these most attractive publications.



The June, July, and August issues of THE FEATHER were highly complimented by the fanciers at Niagara. The Banded Plymouth Rock cover was admitted to be the masterpiece of its kind, while the illustrated articles have attracted such marked attention as to inspire us with new zeal for more complete description and illustration.

Wyandotte type was carefully considered by the meeting at Niagara Falls. Mr. Sewell illustrated this variety by the use of the lantern slide and crayon drawings. Specimens that have won since 1902 were selected to show what advancement has been made. The best specimens shown in this way did not so fully illustrate the present type as our cover-page of this issue, which has been created from photographs taken of the winners at the Washington Show. These birds were shown by Friendship Heights Poultry Yards, and the illustration is not more beautiful than were the specimens themselves.

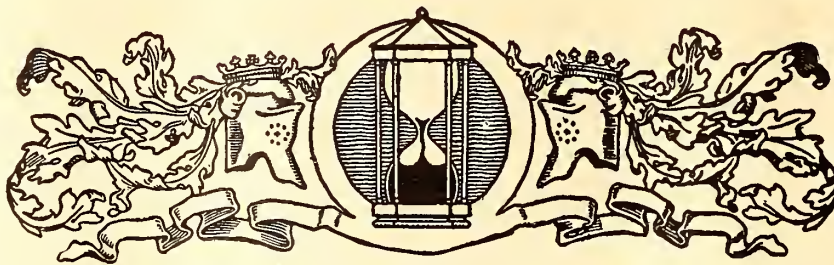
The cover illustration and the photographs in the body of the paper used to exemplify Wyandotte type, are fully the equal of the best of those used in Mr. Sewell's lecture on Standard illustrations. Thus we are able to give our readers the thoughts of those assembled to do the work of improving the organization of the American Poultry Association. Even the defect of shape was illustrated there, by a slide made from an English Silver-laced Wyandotte of the same character as we present.

When the roll-call was made Tuesday, August 13, there were found to be present, at the meeting at Niagara Falls, fifty-eight members of the American Poultry Association, and more than this number of visitors and prospective members. As soon as the opening order of business could be disposed of, artist Sewell took up his subject of improvement in Standard illustration. This was made very instructive by the use of illustrations from life, as well as crayon ideals. The Wyandotte type was the one most considered.

The debate as to color-plate illustrations was ably argued by Messrs. McGrew and Rigg for, and Messrs. Smith and Nourse against their use. Mr. Rigg, of Iowa, made strong points for the affirmative, while Mr. A. C. Smith, of Waltham, and Mr. Nourse, of St. Paul, contended for the negative. Mr. McGrew told of the possibilities of color-illustration, which he illustrated by specimens of the best color-printing yet done in this country. The jury decided for the negative, the open meeting for the affirmative, showing that the inclination was for color-plate work to illustrate the Standard.

At the evening session Mr. Proctor, of Massachusetts, read a paper on color-description and glossary terms. Following this, Professor Graham, of the Ontario College, made an address on the work being done at his station. This was one of the best of the meeting. It contained a world of valuable information, which was emphasized by lantern-slide illustration. The important question of better quality eggs and table poultry was strongly set forth by this speaker.

The closing number of the evening session was the discussion of the question of undue prominence to the beauty value



## THE FEATHER

Volume XII

SEPTEMBER, 1907

Number 12

GEO. E. HOWARD, Editor

T. F. McGREW, Associate Editor

Single Copies, 5 cents.  
Domestic Subscription, 50 cents a Year in Advance.  
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ADVERTISING RATES per insertion 10 cents a line, agate measure, 14 lines to an inch. Discount card on application.

**SUBSCRIBERS.** When a subscriber finds this item marked, he will understand that his subscription has expired, and that he should renew promptly before the next issue is published.

**ADVERTISERS** must have copy in for change of advertisement not later than the 5th of the month. Copy for new ads must be received by the 15th of the month to insure insertion.

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The HOWARD PUBLISHING CO.

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Washington, D. C.

in the Standard. Mr. Steinmesch, of St. Louis, and Prof. C. K. Graham, of Storrs, Conn., stood for the affirmative, Messrs. Donovan and Hewes, for the negative. Mr. Baldwin, of Canada, read the paper prepared on this question. During the debate Mr. Donovan arrived from Toronto and took a hand. The arguments presented for and against were all quite well considered. The jury decided for the negative.

The business session was opened Wednesday by President Curtis, who reviewed the work of the past year, and congratulated the association on its splendid financial condition, there being nearly nine thousand dollars in the treasury fund. The Board of Review reported, confirming the report of the Election Commissioner, which was accepted by the members. The balance of the morning was devoted to the organization of the Executive Board, and the election of over two hundred new members, by far the largest addition ever made at a meeting of the association.

During the afternoon of Wednesday the question of having a standard for dressed poultry and market eggs was discussed. The committee appointed—Messrs. Trafford, Hallock, and Sewell—presented their report, which contained a world of valuable information on the subject. This was illustrated by lantern-slide pictures of most attractive poultry and eggs. These illustrations had been gathered by Mr. Sewell from the principal markets of the world, and gave striking comparisons between profitable and unprofitable table poultry. This question was thoroughly considered, and finally referred to the Executive Board without recommendation.

The association failed to commit itself on this important question, but it was evident that they were not in favor of the proposition in its present form. We scarcely think that there should be issued

a Standard of Perfection for judging these products, but do believe that there should be a book along the lines considered, that should tell how to grow and prepare the best poultry products for market, illustrate and describe what they should be, and a description of exhibition qualities. Plainly shown in this way, the work would be made valuable, and the long-contended question of standard versus utility settled forever. The seed has been planted and it will continue to grow.

The executive board finished its work Friday. Two hundred and eight new members were admitted, over one hundred judges licensed, and all bills against the association ordered settled, after which there will be about nine thousand dollars in the treasury. Mr. Bryant, the new president, proved his business ability in the quiet pushing way he transacted business.

Breed standards will be issued, one for each breed, to be illustrated with color-plates, also black-and-white illustrations, the closing chapters to be devoted to market eggs and dressed poultry. In this way one of each can be issued each year, the first one to be devoted to the breed that has the most entries at the next winter shows; the next to be selected in the same way, year by year, till all the popular breeds have their separate standard. In addition to this, we will continue to have the large or present edition, which will be revised for July 1, 1910.

Gold and silver medals will be offered to local organizations that are members of the American Poultry Association. All should send to the secretary for full information, and send in their membership before November 1, for the action of the committee, which will meet at Cleveland, November 4 next, to consider all business that may be brought to its notice, admit new members, and select shows to which medals will be given.

A visit to the poultry farms and incubator factories about Buffalo closed the week's pleasure for members of the association and visitors, all of whom went home with a feeling that the most valuable meeting ever held from the general standpoint was the meeting at Niagara Falls.

Papers read by Prof. W. R. Graham, of Ontario Agricultural College, James E. Rice, of Cornell Agricultural College, Robert R. Slocum, poultry assistant of the United States Department of Agriculture, and Hon. F. E. Dawley, of Fayetteville, N. Y., were of unusual interest.

Mr. Slocum told of the work of the Department of the Bureau of Animal Industry for poultry. Mr. Dawley gave a world of information relative to the holding of poultry institutes by the association. Mr. Rice gave his experience in educational statistics, gathered from the world.

The most interesting portion of the meeting centered in the resolution introduced by Mr. Curtis, under the following preamble: Moved, that this association undertake the publication of separate breed standards, separately bound standards of perfection for the Plymouth Rock, the Wyandotte, the Leghorns, etc., beginning with the breed that is most popular in the United States and Canada, from the view-point of the largest exhibit of these to be first considered.

These breed standards to contain illustrations in black and white, color-plate illustrations, descriptions of the fowls contained in the book, and a chapter or more to be included, which shall treat of the so-called utility or semi-utility varieties, to be illustrated, and to other description of standard size, shape, and color of eggs laid by the breed, also illustrations descriptive of standard requirements as regards shape, color of skin, etc., for dressed specimens, together with sample forms of score-cards to be used in shipping eggs and dressed fowls of the breed and of each variety thereof.

After considerable discussion this matter was referred to the executive board to carry to completion. These breed standards have been called for by the general public and breeders for many years. If it is possible to have them in the near future, they will be a great addition to the literature of the association.

The new General Standard will be revised, illustrations needing change will be renewed, the text changed where it is necessary, and the full bound copy of the Standard is to be ready July 1, 1910. By that time it is hoped that two, and possibly three of the breed standards will have been completed and ready for delivery.

Messrs. Grant M. Curtis, Theo. Hewes, and William McNeil, were appointed as a special committee of the board to look after the revision of the Standard. T. F. McGrew, S. T. Campbell, Secretary Hallock, were appointed as a committee on medals, diplomas, badges, supplies. David A. Nichols and George D. Holden, with the president, as members of the finance committee.

Mr. Rowland G. Buffington, of Somerset, Mass., would like to communicate with Mr. Benj. Smith, of Texas, who furnished us an article a short time since on Buff Columbians.



## English Shows



THE following communication was sent us by the Rev. E. Lewis Jones, of Knighton, Radnorshire, England, who is the secretary of the Campine Club. He states in his letter that he looks anxiously for THE FEATHER every month, and that it seems to improve with each issue. We are glad to have these communications for the readers of THE FEATHER, and extend our thanks to the gentleman for sending them:

"Poultry exhibitions in England have found a strong place in the national life, and are a feature which has come to stay. So far there are held annually somewhere between seven hundred and fifty and one thousand shows, and these vary considerably in many particulars. They vary from a little show with only one class of bantams, to the Grand International Show, with its classes running into the hundreds. Shows vary also in being open to all the world, or local, i. e., open only to those who reside in a certain district, or member's show, i. e., open only to members of the society under whose auspices the show is held.

"The shows vary in prize money. The writer belongs to a society which occasionally, say three times a year, holds a members' show, and the prize money is only the entrance fees divided in the proportion of first, four-sevenths, second, two-sevenths, third, one-seventh. Then there are some shows with first prize, two shillings; second, one shilling, third, one shilling, and shows varying in amount to the great events which give first, two pounds, second, one pound, third, ten shillings. Between these there are all possible variations and combinations. The more usual prizes for local shows are ten shillings for first, five for second, and two for third. The entry fees are, roughly, one-fifth of the value of the first prize.

"To some extent limit shows have been held, but so far these are not very popular and have not had any great run over here.

"Shows are held almost all the year round, although the greater part are probably held in October, November, and the early part of December, but, roughly, we can divide the shows into summer and winter shows. The summer shows, as a rule, are not poultry shows pure and simple, but poultry forming only a branch of a large agricultural show. The writer is a member of another society which holds its annual show some time in August. The event is observed as a sort of local holiday, and people flock in to the town in hundreds. A field is hired, and tents are fixed up. In one of the tents the poultry and pigeons are staged, in another dogs are exhibited. Besides these two there are various tents where competitions take place, and classes are provided in vegetables, flowers, fruits, floral decorations; and the arts, too, are represented in drawing, sketching, while various industries also provide classes for competition. The busy bee is not forgotten. In fact, it is in-

clusive and comprehensive, including all the various ways in which people locally amuse themselves, even if it is only window culture. Then there are the agricultural classes for the larger animals, horses, etc., bred and used on the farm.

"The committee engages a first-class band for the day, they provide amusements for the people in the way of acro-

hardly be called a poultry show, although it provides thirty to sixty classes for poultry and pigeons as part of its scheme.

"This is more or less typical of the summer shows. They are held mostly for one, possibly two days, and form part of a larger event. The birds are staged in canvas tents and it is generally patronized by those who go in for summer showing, which is almost a sub-variety of poultry keeping. To make it a success the exhibitor must keep a number of birds out of the breeding-pen, for stress of weather, etc., unfit those birds which have been in the breeding-pen for summer showing. The summer exhibitor generally gathers round him a team of twenty birds or so and travels from show to show with this team. He ar-

thought, occasionally, some have dog sections as well. The shows now are held in large halls, as the weather is too severe for them to be staged in canvas tents. Now, the whole of poultry in the country are in their exhibition form. The small man, who could not run a string for summer showing in addition to his breeding-pen, has now birds well through their molt, and he also has his chickens sufficiently advanced to come under the judging stock. Competition is now much more keen and more various; keener because all the exhibitors have all their stock birds and the chickens they have reared to choose from, and more various, as now many breeds, which are but very sparsely represented, if at all, in summer shows, are well to the front. Then the specialist clubs provide classes for their favorites, and as often as not arrange for these classes to be taken by one of their club judges.

"One might almost say that as all roads lead to the capital, so all the minor and larger events also lead up to the great event of the year, viz., the Crystal Palace Show. At any rate, they contribute largely to the success of the big event, as many an exhibitor has been tempted, by the success of his birds in local events, to have a flicker at the great event, and if he gets a card there he is encouraged to go and do better next time.

"The moralist might be tempted to point out the ceaseless grind of the poultryman, and he can only be compared to a man climbing up a revolving wheel. It never ends, seven days a week, show season, breeding season, and he has never done with the one but he is in the thick of the other. Further, he might ask what is the result of all this ceaseless grind? Any improvement in poultry generally? This raises large issues, which, like the problem of the philosophers, furnish themes for combatants, who go on forever striving, but fail to come to any issue. At any rate there are many, and the writer is one who joins in for sheer love, and feels he gets more than mere compensation for labor out of it.

## Hagerstown Fair

Unusual interest was shown in the Hagerstown Fair by the fanciers gathered at Niagara Falls early in August. The cry seemed to be "Follow the trail to Jamestown through the Hagerstown Fair." The statement made by Mr. Hewes at Niagara Falls, that all premiums would be promptly paid at Jamestown, increased the interest in that event.

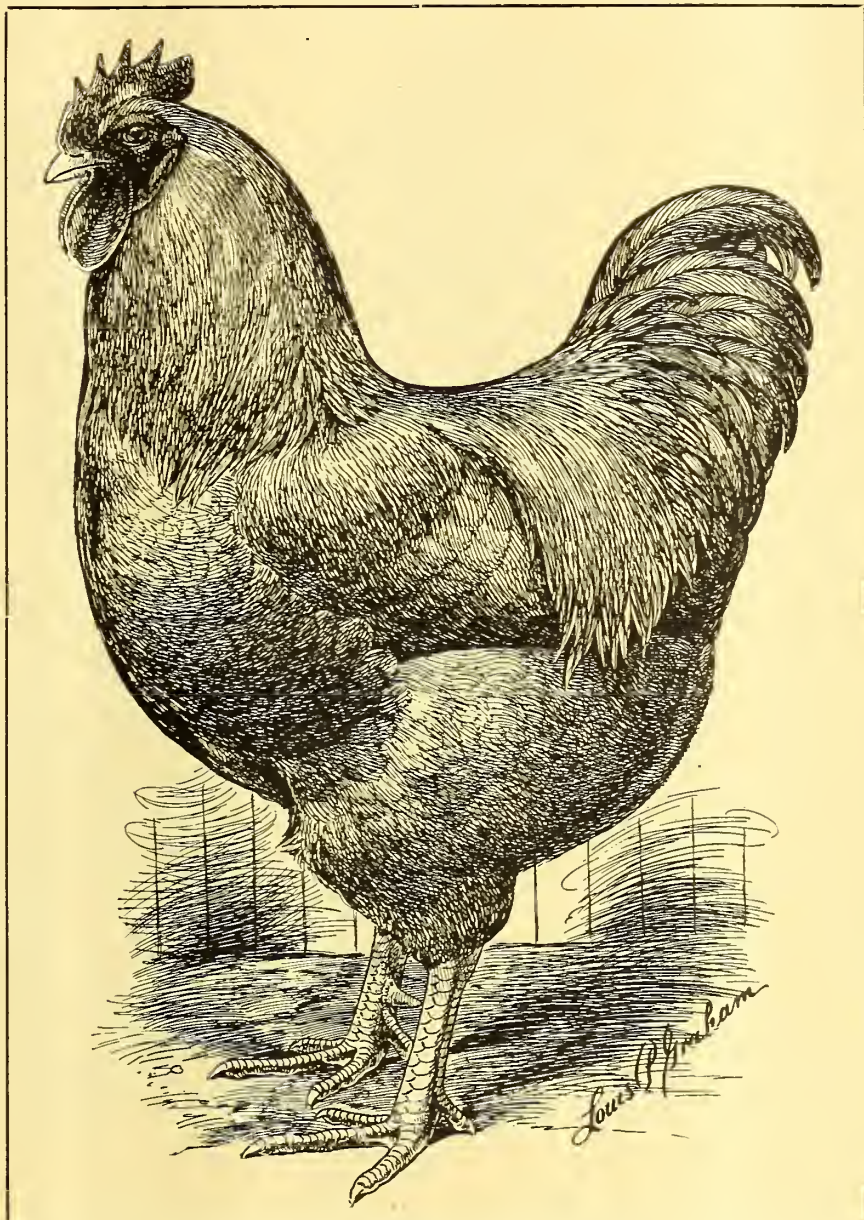
We are just informed that the catalogue of the Hagerstown Fair is ready for delivery. A request sent to W. Frank Spahr, or to the Great Hagerstown Fair, Hagerstown, Md., will secure one of these by first mail. The judges secured for Hagerstown are as follows:

Poultry—Geo. O. Brown, Chas. McClave, David Nichols, Wm. G. Minich, Louis P. Graham, and Miller Purvis.

Pigeons—W. J. Stanton, and Geo. Ewald.

Waterfowl and Turkeys—John C. Kriner.

The premiums, regular and special, at the Hagerstown Fair this year, will exceed all previous years. Mr. B. A. Betts, superintendent, Poultry Department, and his assistant, Mr. W. Frank Spahr, will spare no pains to make every feature of the Poultry Department at the Hagerstown Fair this year even more attractive than ever before.



BUFF PLYMOUTH ROCK MALE

bats, cycle races, military tournaments, and any other item that will be considered to attract the people. Thus the show day has become a regular holiday for all the neighborhood, and excursions are run into the town from all neighboring towns. Perhaps the most amusing part is the pageant or procession, when various people dress up to represent different characters, and pass in procession through the principal streets of the town on to the show-ground. The committee offers a prize for the most original and beautiful turnout. Such an event can

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## What Others Are Saying



IN THE columns of Poultry Keeper we note an item from the pen of Hiram Conrad, who claims to have been seventy-four years old when writing his first article for the press; in this he tells of having used the hopper for feeding his poultry for over twenty-five years, and his surprise to see it mentioned as something new in the poultry press. The same writer suggests that every one should bore round augur holes in the under-side of their roosts, and then remove these roosts once or twice a week. If there are any red mites in the neighborhood, they will have gathered in these augur holes. When this is the case, give them a dose of coal-oil or scalding-hot water, says the writer, and you will soon be rid of the mites.

Mr. F. O. Welcome accuses a writer in a far western poultry journal of plagiarism. Mr. Welcome is one of the writers of Poultry Keeper. The one accused exonerates himself from the fact that it is possible for two men to think alike, and that he believes that every one should tell what he knows through the poultry press, and leave what they have to say to the judgment of the readers. This is a novel way to get out of what is often called cribbing, which is too much in vogue in the poultry press at the present time.

Poultry, England, in speaking of the Danish egg industry, states that the Danes are a thrifty people; that they have done much while others are talking. The sale in the country is good, and the position, with the sea on three sides, is an advantage in the way of shipment. Their chief drawback is a limited area and the severe climate of winter, yet these people export thousands of dollars worth of eggs each season, these eggs being collected by vendors who go from village to village to select and carefully pack them or shipment.

The California Poultry Journal makes a record of a test of the Hogan system by the State Experimental Station at Petaluma. This system has been thoroughly well advertised, and the experiment made at the Experimental Station proved that the best hens, even among a poor lot of hens, can be picked out and selected, so as to have the poorer ones cast aside for market poultry.

F. H. Valentine, who conducts the poultry department of Farming, tells in the last issue of that magazine of an easy method of poultry keeping. The only way to keep poultry easy is to keep the work ahead of you; never permit the care of poultry to push you; always push the work ahead of the hour.

The New England Poultry Journal has several articles from the pen of A. V. Meersch. Mr. Meersch has recently written a number of articles for this

journal on Pheasant Breeding, and the General Care of Fowls. We received a short time ago a preamble of Swans sent us by the same writer, who was formerly in charge of the marketing of the swans for some of the people in England.

Southern Poultry Magazine quotes the remarks of D. Lincoln Orr in a recent issue of American Poultry Journal, and comments thereupon. Friend Orr makes the point that the difference is in the man. The editor of the Poultry Magazine adds to this the old saying that "True love is of the soul, and the soul never dies." This, he says, applies to poultrymen. We imagine that he means that the poultry business will never cease; neither will the smart sayings from Mr. Orr be ended until the writer has gone above.

We had a letter a short time since from H. H. Colyer, who is a contributor to the Pacific Poultryman. Mr. Colyer invited us to go West and judge one or two shows in his locality. It was with regret we were compelled to decline the opportunity. We hope some day to go into that locality, and become socially acquainted with the poultrymen near the setting sun. We know that they are progressive, and a lot of good fellows, having met some of them at St. Louis.

The Pacific Fancier seems to be interested in the cold-storage proposition of poultry, and quotes quite largely from statements issued by a member of the Board of Health in Washington, D. C. Unquestionably, good poultry will remain good in cold storage as long as it is properly temperatured. If the poultry is inferior when it is placed in storage, it will not improve, and dressed poultry will not keep as well nor as long under any conditions as will the dry-picked, undressed specimens.

Messrs. Hosterman, Trafford & De Lancey have gathered together the Ohio Poultry Journal, American Poultryman, Records of the Latest Poultry Journal, and consolidated these into the American Poultryman, which is issued the 15th of each month. Mr. Hosterman remains as publisher, at the home office at Springfield, Ohio. Henry Trafford has the editorial office at Shenango Forks, N. Y. F. W. DeLancey, the field representative, lives at Carlisle, Pa. This same organization handles Poultry Success, issued the 1st of every month, from the same office. This new journal claims to be a magazine that covers a field of its own. We trust that it will prove a great success.

The Squab Bulletin has been discussing at great length of late as to the reliability of mated pairs of squab breeders. One of its writers in a late issue has turned out Mr. Doe, and rakes him over the coals for wrong-doings in the squab business. We wonder if this is the same Mr. Doe that the great prosecutor Jerome has been hunting for for so many years in New York City. The facts are that there has been so much of the get-rich-quick idea in the squab business, that we would not be surprised to find several hundred who wished they had their "dough" back that they had fool-

ishly expended in a business they did not understand. We think that the editor of the Squab Bulletin might do a great work in teaching the people how to select squab breeders and to grow them.

Poultry Topics, of Lincoln, Nebr., called attention to the fact in the February issue of its paper that under-weight specimens had been winning at the New York Show. Friend Latham was very much disturbed at this, and wrote, to say the least, an ungentlemanly article, accusing the associate editor of claiming this under-weight for a certain purpose. Mr. Latham might have stated in that article, if he wished, that Mr. McGrew had said that the pullet was under-weight, for Mr. McGrew did say so, and never has attempted to disguise the fact. But in proof of all this came the article from I. K. Felch that was published in the June issue of THE FEATHER, which speaks without disguise, and tells what the old Roman knows of the same matters. We presume it will now be up to Mr. Latham to climb the ladder to reach Mr. Felch through some paper a thousand miles away.

In the columns of The Poultry Yard we notice a receipt for Douglas Mixture. This receipt reads as follows: "One pound of copperas to a gallon of water. After the copperas has dissolved, add one ounce of sulphuric acid, which suspends the copperas in solution. This may be kept in a stone jug. Add two tablespoonfuls to each gallon of water given to the fowls to drink." We are a little surprised at the strength of this solution. The original Douglas Mixture, as given out by Mr. Douglas himself many years ago, was for one-quarter of a pound of copperas to each gallon of water, to which would be added the one-half ounce of sulphuric acid. After the whole was thoroughly dissolved, two tablespoonfuls of this was to be given in each gallon of water.

Editor Hewes, in the Inland Poultry Journal, published the pictures of six of those elected to the Board of American Poultry Association, and asks if any one could name six he would prefer to put in the place of these. Mr. Hewes might have added his own name to the list, for surely he is an intelligent, earnest worker for the interest of poultry, and a sure favorite among his friends. We do, however, take issue with him on one point, when he asks the question: Does the majority rule? He helped to make the rules that governed the election, and should not be the first to cry out against them. If the law is passed, uphold it; if unsatisfactory, change it.

The renewal of Notes in Passing, by Editor Drevenstedt, in the columns of the American Stock Keeper, brings again to the front the newsy gossip of the poultry fraternity, which every one willingly reads with pleasure. It is to be regretted that the first dash of this savors of uncomplimentary mention relative to the offices of the American Poultry Association. It seems to be a regular and constant privilege of every one to take a fall, now and then, out of the old association, which always comes up smiling and continues on top. A very interesting article on eggs, taken from the New York Sun, appeared in a late issue of the Stock Keeper.

There appeared in the Washington Post a short time since an account of the Ostrich Queen's Ranch, in Arizona, and told of the one in prospect in Cuba. The woman who owns these ranches is the wife of Mr. Pearson, who formerly man-

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aged the theater, now known as Keith's Fourteenth Street Theater, New York. She has done remarkably well with handling ostriches, but we imagine that the value of \$250 apiece will prevent the people from rushing into the ostrich business as they have into the squab business.

Mr. Miller Purvis, editor of Poultry and Pigeon, has been spending considerable time of late on his home ranch in California. Mr. Purvis went there to recuperate, and to study the conditions of poultry culture, and squab growing on the Pacific coast. Poultry and pigeons are a fancier's interest throughout the land.

A new artist, whose name we think is Whippell, has recently drawn an ideal sketch of Black Wyandottes, which ap-

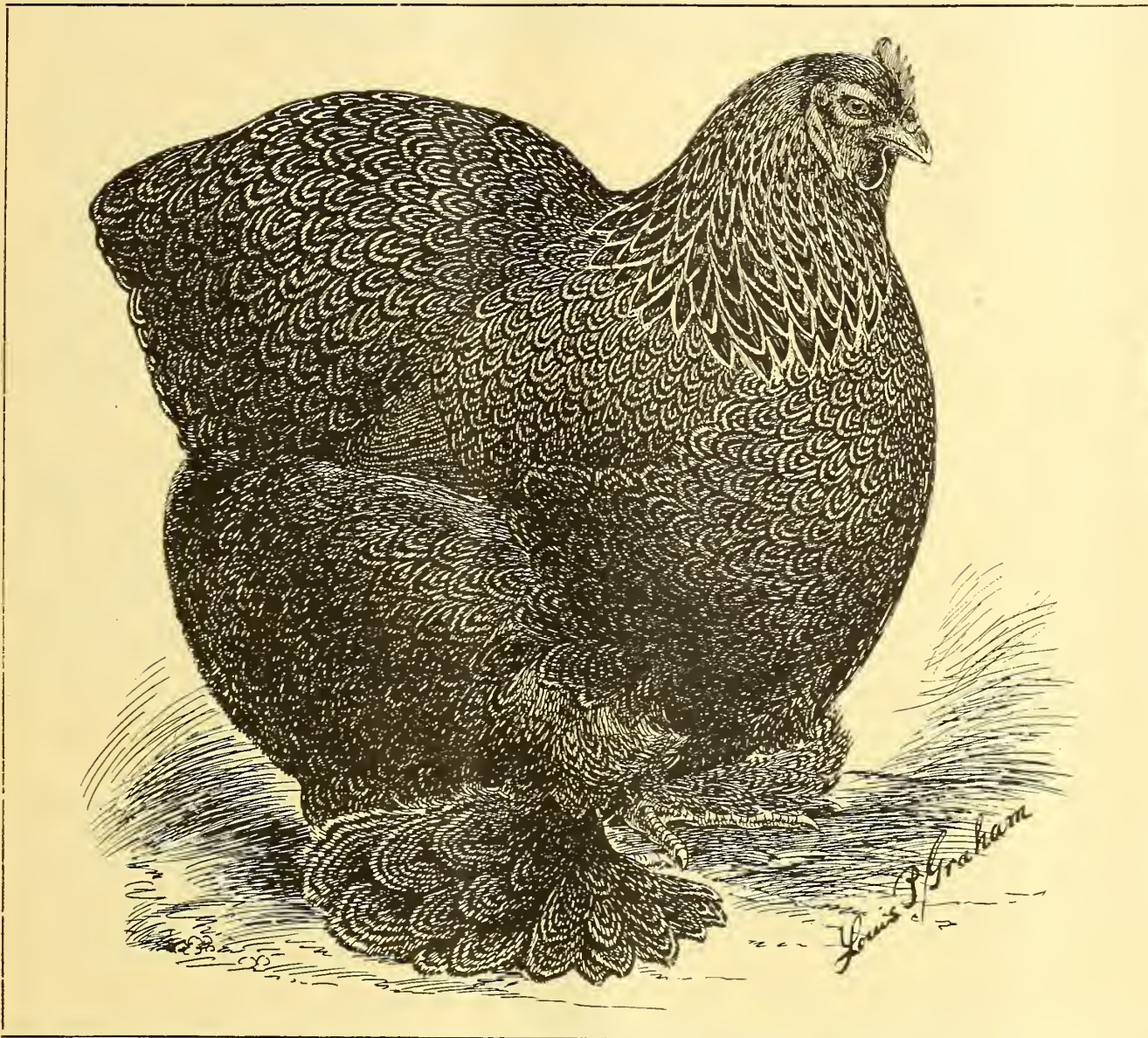
her ability to make the paper what she has. The English form of poultry publication differs so greatly from ours that they can not be compared. Feathered World deals in facts as concise and short as possible.

Editor Snow, of the Pettaluma Weekly Poultry Journal, published a valuable table in a late issue, this table telling of the food value of many kinds of grains. The Pettaluma Weekly is a great paper, comes from a great poultry center of the West, and tells each week about the utility work as well as about the shipment of eggs and dressed poultry from the entire neighborhood.

Editor Robinson, Farm Poultry Publishing Company, of Boston, has finished the second series of his poultry lessons.

members are opposed to this expense unless the secretary's office is compelled to earn it. He places the responsibility with the newly elected committee of twelve, and intimates that the association and the secretary's office must stand or fall under their guidance.

The Australian Hen tells us that the egg-laying contest known as the Hawkesbury Competition, will be continued in the future for two years. Forty of the one hundred pens entered last year will continue on for another year. Such tests as these are most trying and conclusive. We, of America, must feel abashed at the statement of the management of the contest, in which they say that there is no need to send to America for methods; that these tests have shown conclu-



PARTRIDGE COCHIN FEMALE

peared in Pigeon and Poultry, of England. This sketch is almost identical with the one we published in THE FEATHER from the pen of Mr. Ludlow.

England now has three or four very promising artists. Pigeons and Poultry, formerly known as the Fancier's Gazette, of England, is becoming one of the leading fanciers' papers.

Feathered World, England, has divided into two publications; one devoted entirely to poultry and pigeons, the other to cage birds of all kinds. No poultry publication has ever been so successful as the Feathered World. Those of us who met the editress and owner, Mrs. Comyis-Lewer, when in this country, recognized

These series are bound in two separate volumes, and are a valuable pair of books on poultry culture. In a recent issue, the editor of Farm Poultry gave notice of the reestablishment of the yearly egg-laying contest. We hailed this statement with delight, believing, as we do, that great good must come out of such contests.

Editor Heck, of Poultry Success, calls attention to the fact that the American Poultry Association is commanding attention. He comments upon the yearly expense of the secretary just elected under the new constitution, whose office will cost the association \$2,000 a year. He truthfully states that a majority of the

sively that they have but little to learn from American methods, and that there is little necessity to send abroad for egg producers. When will the American poultrymen arise to the occasion and prove the American hen, by actual tests the superior of all other laying hens in the world?

Farm Stock Journal, of Rochester, N. Y., is paying marked attention to the poultry business. This paper issues from the section of the country where good poultry is grown. We thank them for the consideration shown THE FEATHER in copying into their pages some of our writings. They evidently know a good thing when they see it.

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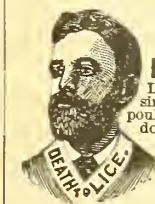
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## Chicken-pox



NO ONE disease has been more destructive to poultry than the chicken-pox. At times this becomes a scourge to poultrymen. In some parts of the South it creates havoc equal to the worst plague of hen cholera. It travels like the wind, may be carried from one plantation or farm to another by the birds; perfectly healthy specimens coming in contact for but a few hours in the exhibition hall with those infected become inoculated and carry the disease home, spreading it broadcast through the flock. Just when, where, or how it comes, is often a problem, but it can not be mistaken when it arrives, and is usually most destructive.

The first symptom is the appearance of small patches like festering spots or dark patches on the comb, face, and wattles or ear-lobes. The most aggravated of all are patches growing upon the eye-lids, causing entire or partial blindness of the afflicted fowls. When chicken-pox attacks half-grown or undersized chicks, it usually destroys the greater portion of them. Older fowls do not seem to suffer so much, but the care of a large number affected with chicken-pox is a most tedious job.

Hundreds of remedies are suggested. Among these is recommended a little Epsom salt sprinkled in the drinking water—just enough to loosen the bowels and cool the blood. Washing the entire head, comb, and wattles with warm water into which has been mixed 25 per cent. of vinegar, bathing with warm milk, anointing with carbolated vaseline, mercurial ointment, iodine, and caustic, are all prescribed. All of these have been beneficial; all, in turn, have utterly failed to give relief.

For turkeys and chickens, both old and young, afflicted with chicken-pox, the following treatment was successful:

The affected parts were thoroughly bathed with a 2 per cent. solution of formaldehyde, using a spray for the purpose until all affected spots were well saturated. This was repeated three times the first day, repeated less often the second and third days, those afflicted being confined in the morning until after the second treatment on the first day and after the one treatment on the second day long enough for the solution to become thoroughly dry on the parts before they were turned out. In addition, the affected parts were well rubbed with Unguentin ointment. None of the afflicted thus treated died.

In a bulletin issued by the Alabama Agricultural Experiment Station, they take up this question, and handle it in a manner quite unfamiliar to us. They head the bulletin with the following: "Chicken-pox, Sore-head, or Contagious Epithelioma in Poultry," and say there are no positive differences between the various forms of diphtheria, roup, and chicken-pox or "sore-head," other than the locality in which the lesions occur;

and possibly the per cent. of mortality in the different forms of the disease. Usually, when the mouth, throat, air-passages, or alimentary canal in one or more places is peculiarly inflamed so that an organized or solid exudate is formed on the surface of the inflamed mucous membrane, and that membrane bleeds rather freely when the diphtheretic exudate is torn away—such a diseased condition is called fowl (avian) diphtheria.

If the nasal passages and the cavities connected therewith have their mucous membrane inflamed, producing a catarrhal (mucous) exudate; or the solid, dried, pus-like exudate in the nasal cavities, and sometimes pushing upward the tissues around the eyes—such a diseased condition is called "roup."

If the skin of the wattles, comb, earlobes, eye-lids, or of the head, and sometimes the conjunctiva (the mucous membrane lining, the eye-lids and reflected over the front part of the eye-ball) becomes inflamed in such a way as to produce crusts or scabs or an exudate of dried pus, broken down epithelial cells etc.—such a condition is called chicken-pox or "sore-head," or epithelioma contagiosum.

It is to be regretted that experimental stations, scientific establishments of all kinds, do not report these matters more plainly, so that they may be readily grasped and fully understood by all at a glance. Of course the causes given for the presence of these ailments is assigned to bacteria. Almost every one is familiar with the fact that chicken-pox comes when least expected; that it may be contracted at fairs, poultry shows, and through the introduction of specimens from other parts of the country. What people are most interested in at the present time are simple remedies for the cure of this disease. If the scientific gentlemen would give their careful attention to the discovery of what would prove to be a cure for chicken-pox, they would cast an untold blessing upon the poultrymen throughout the entire world.

We cite one case of treatment given in the bulletin as follows: "In a brood of nine chicks hatched out in October, when three weeks old six of them developed sore-head and sore mouth. The eye-lids and the eyes and the mouth and throat were involved. In this case, the chicks had what is usually called sore-head, with sore mouth and diphtheria of mouth and throat. This combination is not uncommon. In fact, nearly every case of chicken-pox or sore-head has sore mouth in some form, and also some discharge from the nasal openings, indicating the presence of roup. These chicks were treated with iodiform and tannic acid once per day for three days, and then pure, fresh lard was applied daily. All but one recovered in three weeks."

The question that should have more than passing attention is how to cure chicken-pox; presuming that one had several hundred or even a thousand fowls, and the scourge of chicken-pox

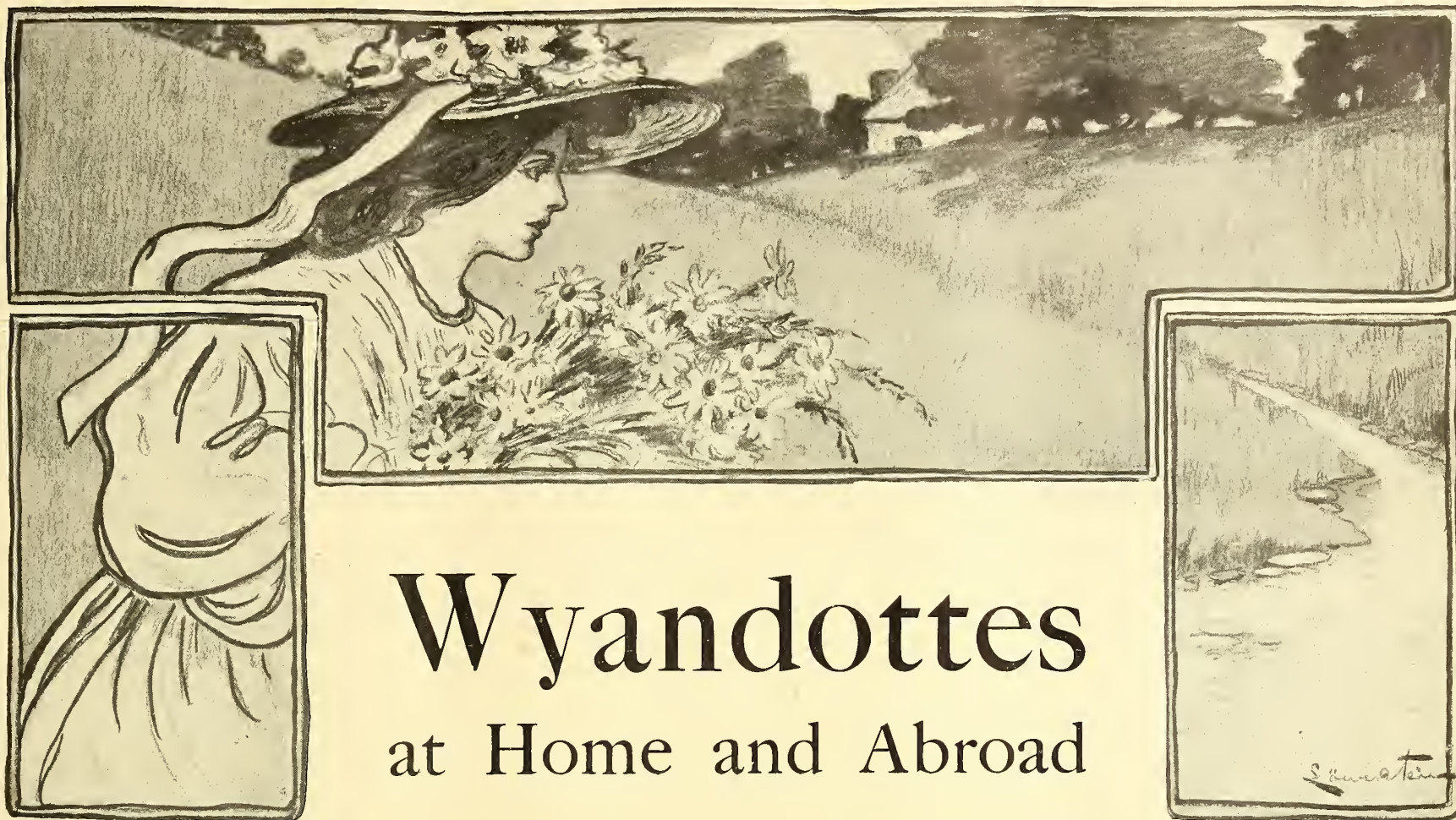
should get a foothold among them, what possible chance would an army of fifty men have in treating a thousand ailing chickens with iodiform and tannic acid once a day for three days, and then use pure lard for daily application for two or three weeks? We imagine that such treatment would cost in actual outlay for time, labor, and material, more than the whole flock of poultry would be worth. That which is needed is the immediate attention of national and state agricultural departments toward the obliteration of the disease of blackhead in turkeys and the above-described ailments in all kinds of fowls. The poultry product of the United States is worth double the value placed upon the hogs or sheep. There have been millions spent in the interest of hog cholera, foot rot, and scabby in these two kinds of animals by national and state government authorities to where there has been ten dollars spent for the relief of poultry ailments. Every fancier, poultryman, and farmer in the United States should join in a determined effort to have more done for the benefit of poultry growers.

Another clause of interest in the bulletin is the fact stated that affected birds may recover in two to eight weeks. The mortality is said to vary from 50 to 70 per cent. of those affected, but that where individual treatment is patiently and regularly applied, the mortality can be cut down to less than 20 per cent. If the experimental station departments admit that there is such a mortality as this possible from the disease, and that it takes from two to eight weeks for recovery, is it not time that a drastic effort was being made by those in authority to have something done for the relief of poultry growers? All interested in this matter should bring it to the attention of the Congressmen from their district and insist that something be done to relieve the poultry growers of the entire country from the possible increase of this disease to a point which might prove to be much more destructive to poultry than hog cholera, hen cholera, or foot and mouth diseases.

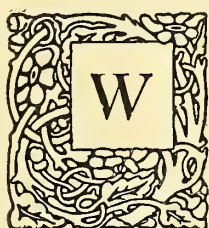
## Sportsman Show Display

Located near the Zoological Garden in the city of Washington is the little farm of Cecil French, who has his office at 718 Twelfth Street Northwest, of the same city. Mr. French has recently returned from the Sportsman Show at Philadelphia, where he exhibited one of the most attractive displays of rare fowls. It would be quite impossible for us to enumerate the entire lot, among which was a beautiful collection of swans, geese, ducks of all varieties, and some of the rarest kinds of wild waterfowls. When we visited the farm just before the display left for Pittsburg, we were more than attracted with the lot of wild waterfowls gathered together. These had been brought from all over the world, and among them were some very fine specimens of the Grayleg or original goose, from which all geese are supposed to have descended. Mr. French is booked for a hunting trip through Africa in search for wild animals for the Zoological Gardens of the world, and he expects to take with him a number of ardent hunters from all parts of the country.





## Wyandottes at Home and Abroad



WHEN we published the article on Barring, Lacing, and Penciling, in our March issue, we thought that we had finished with Wyandottes, for the present, at least. Through what might be termed unusual conditions, our attention has been called to several features in handling exhibition Wyandottes that should have some attention at this time. In addition to this, we have received from three different sources pictures of Laced Wyandottes that have won in this country and in England. These we have decided are worthy of sufficient consideration for us to make use of them to illustrate the point at issue.

Editor Hewes, of the Inland Poultry Journal, was so disturbed at the placing of some of the awards at the past winter shows that he called the attention of the judges to the selection of type in Wyandottes at the recent eastern shows, claiming that a pen of Wyandottes awarded first had backs and bodies longer than the specimens in the first pen of Barred Plymouth Rocks in the same show. We know that there was considerable comment the past two winters about placing the awards on the Plymouth Rocks at the New York shows of 1906-7. We know that there were some objections made to the awards on White Plymouth Rocks and several varieties of Wyandottes at both New York and Boston. Whether the ground was well taken or not can best be decided by the exhibitors and breeders of the varieties in which the contentions were made. One feature that seems to attract most attention is the fact that the specialty judges, selected by the vote of the clubs, more frequently bring about these contentions than do the general all-around judges, selected by the managers of the show.

At Boston last winter, the judge selected for first place a Silver-laced Wyandotte hen that

could not be classed as ideal for shape. The owner of this hen, of his own accord, had taken a photograph of the hen, which he sent to this office, and wrote as follows: "I send herewith a photograph of 'Queen of the Silver,' first hen at Boston. You can use this picture if so desired



WYANDOTTE TYPE, TAKEN FROM LIFE

for illustration." When the photograph was received we had but little thought of using it, as is now our purpose. Since that time, things have transpired in the Wyandotte world that permit us to make use of this illustration. The photograph, as it came to us, did not have any feet. These we have added; have retouched the eyes just a little so that it would show up in the half-tone; no other changes as to shape and color whatever have been made in the original photograph.

By printing this photograph we give to our readers of this and other countries an illustration of the actual appearance of the bird. This tells more than words can the type and character of the specimen selected to win the blue ribbon as the best Silver-laced Wyandotte hen shown at Boston the past winter in a lot of ten hens, perhaps the cream of the country. No doubt but that some of our readers will express surprise at the type and character of this hen.

The question of type being to the front at present permits us to give the full information that we have at hand. The second illustration referred to above is of the first and challenge cup winner at the English shows. This illustration is also made from a photograph. How very like in type and character are these two females! Here are two hens that were photographed during the same month of the year, several thousand miles apart. When the photographs are brought together, the type and character of the two are so much alike that one might imagine that the same judge had selected them. We do not like to criticise the selection of the type, our purpose being to present to our readers the actual facts as we find them illustrated by photograph.

Last month we illustrated the type and character of Black Wyandottes in England and America. This time we take for consideration the placing of awards on the Silver-laced Wyandottes at home and abroad. In addition to the





MR. DACKWORTH'S SILVER WYANDOTTE PULLET, WINNER OF MANY FIRSTS AND SPECIALS

two illustrations above mentioned, we have in our possession, from an English illustration, a Silver-laced Wyandotte pullet at home, on the runway of the owner. Here, again, we have a remarkable illustration of breed characteristics. If either one of these three illustrations are correct as to breed characteristics, or Wyandotte type, most certainly the Standard markers and the American and English Standard, as well, are incorrect. If shapes of this kind are to receive recognition in the show-pen, no matter how beautiful the plumage may be, of what consequence is it that we have shape description at all? Why not utterly discard the description of shape? Why wear our lives out laboring for breed characteristics when we come to the show-room and find these conditions existing? As stated before, we are not criticising; we are simply calling attention to the fact of shape as we find it behind the blue ribbons, and shape as we understand it through the wording of the Standard.

At the New York show, we were requested by a number of the Wyandotte breeders to publish an account of just what we considered proper and right for Wyandotte shape. We promised at that time to illustrate in the pages of THE



BOSTON WINNER OF 1907

FEATHER in the near future our notion of Wyandotte shape, providing we could find in any of the show-rooms specimens to photograph that would illustrate our idea of Wyandotte shape. There came to the Washington show from the yards of M. E. Rose, Tacoma Park, Md., a White Wyandotte cock bird which combined more of the breed characteristics than any specimen we have seen for a long time. This cock bird had lost his main tail feathers; they were added to the photograph by Artist Graham. The weak spot in the form of this White Wyandotte cock bird is a lack of fullness in the abdomen. If this cock bird were properly filled out behind the point of the wing, as hidden beneath the saddle, we would be willing to state that this bird comes nearer to Wyandotte type, as described in the Standard and understood by Standard-makers, than any bird that has been shown since the cockerel, known as the Havermeyer bird, was shown several winters ago at New York. We believe that this bird throughout, from comb to point of toes and tail, is one of the most complete Wyandottes that has been shown in years.

Two seasons ago a White Wyandotte female was shown at Hagerstown. This was a most complete specimen. She was carefully photographed. The position shows the back fore-shortened, the tail being the nearest to the camera; as she moved slowly away head and body were quartering, and not in full view. This we consider Wyandotte type. We regret not being able to obtain a perfect side view of this female. Her main tail feathers are a little longer than would be permitted by an expert showman; yet this female is shown in her full plumage as she would be found in the breeding yard of her owner, each and every line just as the camera took it. The criticism of this bird would be forced by her position, the curve of the back too short, tail rather long and high. Otherwise we do not see the opportunity presented for a shape cut in body formation. The full side view of this specimen showed most excellent Wyandotte type.

We are willing that this pair of White Wyandottes should stand as a fair representation of what we would call Wyandotte type, with the reservations above recorded as to their weak points.

If all our readers could go back over the several Wyandotte articles published since January, and would compare all the illustrations from life that we have shown them, then consider all these as against the two of the White Wyandottes, we believe that they would willingly agree with us that the White specimens selected come nearer to the actual truth in Wyandotte shape than have any of the illustrations presented, either ideal drawings or half-tone, in many years gone by. We really prefer the male bird here to the ideal illustration of the Standard.

The Standard description of a Wyandotte and a Plymouth Rock differ so much in shape description that specimens true to the description could not possibly be taken one for the other by the merest amateur. Considered in this light, what must we conclude when we hear the statement made, "The only difference I can see in them is the shape of the comb." Placing the awards in the exhibition hall decides the methods of breeding. If placing the awards on Plymouth-Rock-shaped Wyandottes becomes so general as to attract marked attention, exhibitors will endeavor to have that kind to compete another year. If, however, only specimens having true breed characteristics can win, the tide will quickly turn in favor of proper type.

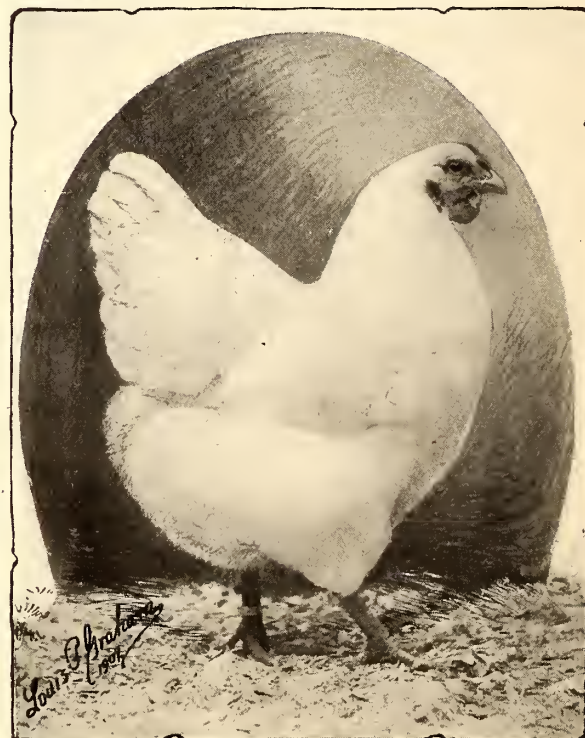
This only illustrates that which is entirely too prevalent throughout all the classes. Breed characteristics, true type and true color com-



MR. JEWETT'S SILVER WYANDOTTE HEN, WINNER OF FIRST AND CHALLENGE CUP FLEET

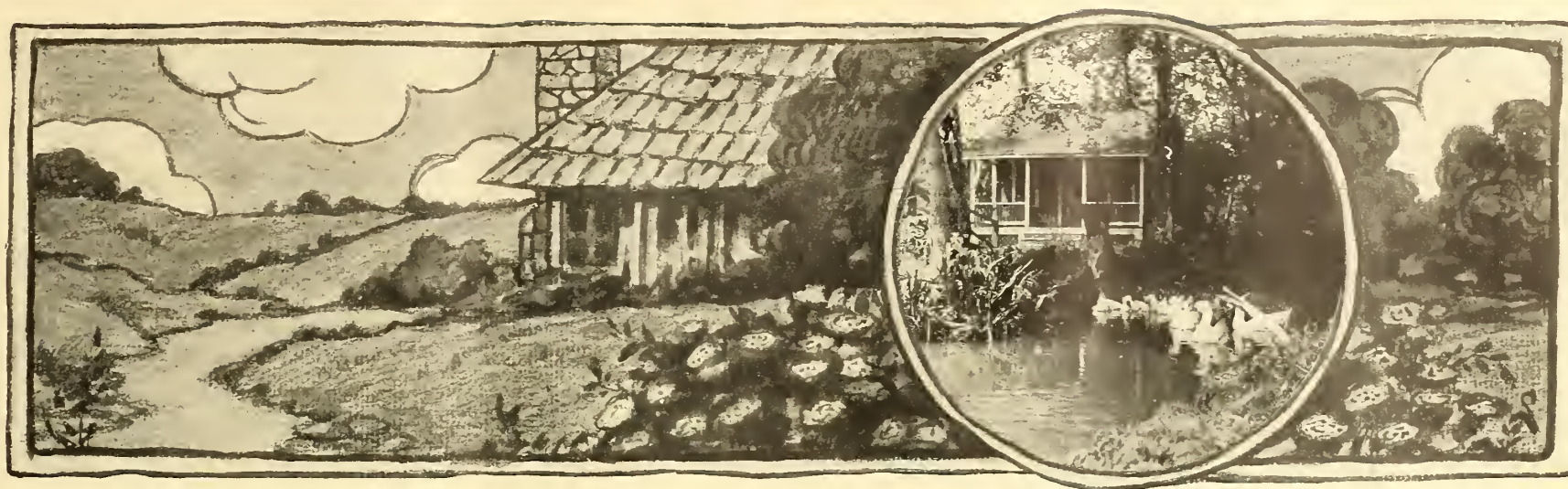
bined should be necessary for the exhibition pen. If a specimen is shaped like a Plymouth Rock and is shown in the Wyandotte classes because it carries a Wyandotte comb, it should be discarded from competition on the ground that it is a sport from the Plymouth Rocks wearing the Wyandotte comb. The same should be the case throughout the entire exhibition. Whenever the specimen fails in the only demand that proves the breed to which it belongs, it should be so heavily scored as to place it outside of any possibility of winning a prize. When this becomes the rule in the exhibition hall, we will have better form, better character and better type throughout all the classes.

Another breed has suffered noticeably at the hands of the judge who fails to grasp the true type of the Indian Game. Much too often is color, regardless of type, allowed to win. Too often do light-boned, long-shanked, narrow-shouldered specimens win over breeds of true breed characteristics, simply because they carry attractively-colored plumage. There is a type and a character about an Indian Game which no other fowl save the Azeel possesses. This type is as marked as the Cochin or Brahma shape.

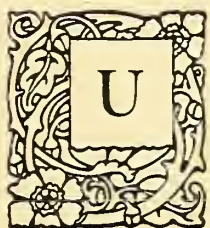


GOOD TYPE FOR WYANDOTTE FEMALE





## Superior Market Poultry



UPON his return to Europe, Edward Brown, the poultry expert of England, published a report on the poultry industry of America, which was an extensive treatment of the methods and ideas of poultry growing in the United States.

In other writings relative to his visit to this country, Mr. Brown stated that he encountered so little dressed poultry of merit in the hotels and restaurants of America as to be exceedingly disappointed; also, he stated that the eggs were quite inferior in quality at the hostleries where he stopped. The late Thomas E. Orr told the writer last winter that he had continued to call for soft-poached eggs every place he had stopped during the year, and that not more than five times did he obtain poached eggs of a quality that led him to believe they were made from fresh-laid eggs. It is to be lamented that two individuals of such prominence so nearly agree as to the quality of poultry and eggs generally served at the hotels throughout the country.

Undoubtedly, America should have or produce the very finest market poultry of the world. It has been proven that without question some of the best market poultry of the world has been grown in this country. To illustrate this, the late William Cook made the public statement in the presence of the writer that some of the best dressed poultry that he had ever eaten was that prepared by the packing houses of the West. Mr. Brown records the fact that the best poultry served to him while in America was grown in the poultry-growing districts of Rhode Island, adjacent to Boston.

The best dressed poultry of all kinds that we have ever examined was sent to one of the commission houses in New York City from westerly Rhode Island by Mr. Vose, who has the reputation among the dealers of New York of furnishing about the best poultry that comes to New York City. This consisted of turkeys, ducks, geese, and dressed poultry of several sizes, the greater part of which was dry-picked and delivered to New York City during the winter months, wrapped in waxed or paraffin paper, and sent forward without being iced, leaving westerly

Rhode Island in the early evening, and placed on sale early the next morning in the New York markets.

Of this poultry we have eaten turkey, Mongrel geese, and small-sized chickens, served in the most approved fashion by the noted caterers of New York City, also served in our own home, and while we much prefer the quality of the fowls that we have grown at home, killed by severing the head and serving them either within twenty-four hours, or the third day, as might be, we must admit that this Rhode Island poultry is the best we have ever discovered in the market.

South Shore roasters have been much written



ROASTERS FROM THE MODEL POULTRY FARM

of lately by Mr. John H. Robinson, Mr. Brown of England, and others. This kind of poultry, so states Mr. Robinson, is exclusively grown in the one locality in and about Norwell and Randolph, in the district known as the "South Shore" districts of Eastern Massachusetts. This, said to be, exclusive manner of growing poultry, might well be applied to a greater or less degree all over the country, so far as its influence would improve the general quality of poultry.

The editor of Farm Poultry has given so much attention to the South Shore roasters as to cause us to deem it as one of his specialties. Perhaps no other writer has paid so much attention to this question. It would be impossible to grow South

Shore roasters, we imagine, in any other section, because they would not be South Shore roasters; perchance they might be grown on the northern shore of some other state. It is not our intention to pay special attention to the South Shore roasters any more than to state that if that portion of their breeders' plan which selects the best and cares for them in the best possible manner was more closely applied throughout the country, the whole poultry product of the land would be very much improved.

If the growers of market poultry, and those who pay attention to the production of eggs for market would give proper care and attention to the requirements for best results, there could not possibly be in the future any claims of poor quality. During the month of April, we purchased for use in our home, fresh-laid eggs direct from Brown Leghorn hens that were carefully fed and attended to, and protected from obtaining unwholesome, improper foods from which to manufacture the eggs. On the other hand, we purchased other eggs produced by hens running about unclean barnyards, these hens gaining the greater portion of their living in a scavenger fashion, producing eggs, the outward appearance of which were equally attractive to those produced by the Brown Leghorns that were carefully fed. The difference in the eggs was quickly noticed when served. The eggs laid by the Leghorns were pleasing to the taste in every way served, while, on the other hand, the eggs from the other source were badly flavored and unappetizing in several ways. Some of them had yolks so dark as to have the appearance of having been colored from the slough holes of the barnyards. We have been served milk and butter in country places that tasted of garlic; we have tasted eggs ill-flavored like the barnyard, and poultry meat that tasted of the unsavory beef scrap that had been fed in fattening. If Mr. Brown, from England, was served any of these, he most certainly had the right to complain.

First of all it should be remembered that both the eggs laid by poultry of all kinds and the meat of their carcass can be flavored like the food they eat. Wild ducks that feed on the celery shores of the Chesapeake are said to be





WHITE WYANDOTTE BROILERS, TWO MONTHS OLD

flavored through and through by the same. We have been served with duck, the meat of which tasted stronger of fish than does shad-roe itself. All of this is the result of eating improper food.

The poultry press, the agricultural press, and the commission men in the market are all more than anxious to have improved poultry for sale in the market. The crate fattening, the finishing with the stuffing machine, and the forced fattening of poultry in any way does not seem to meet the requirements of the market. Whether it be true or not, many of them claim that machine-fed fowls will not keep as well as those fed in the natural way. Whether this be true or not matters not at this time from the fact that we hope to encourage all growers of poultry to improve the quality they grow. First of all eggs should be selected for hatching from hens that have the proper proportion in body formation to please the most particular when selecting poultry for the table. If the requirements for the best quality of dressed poultry is strongly present in the producers of the eggs from which the chicks are to be hatched, this influence will be strongly in favor of improvement. In addition to this, perfect health and constitutional vigor is a requirement that can not be overlooked. One of the most dangerous elements in growing this kind of poultry is to have present in the producing stock the least possible taint of disease of any kind, the taint from roup being most dangerous.

Young chicks hatched from the best quality should be fed and cared for from start to finish in a manner that will keep them growing continually into quick maturity, for in this way only can the best kind of market meat be produced in fowl. Slow growth, the result of poor feeding, forms tough, gristly meat; continued good feeding grows an even grade of quality that is acceptable for market from the time it reaches the squab-broiler size until finished for the roaster.

In handling the poultry proposition where it is not intended to imitate the South Shore roaster, it is usually most desirable to select the greater portion of the young cockerels weighing nearly a pound apiece, and sell them for squab broilers. This might be done whenever the price guarantees a profit. When this is not the case, they can be grown till large enough to caponize, and be turned to advantage into capons. Capons and roasters are quite on a par when of equal quality. The capons may be kept in even more confined quarters than the roasters grown for the New England market.

Mr. Robinson states that the growers of soft roasters often have trouble with pullets that begin to lay some weeks, or even months before it is desirable to sell them. All such are sold immediately, because after egg production begins

the meat becomes harder and dryer, more like that of an old hen. Other pullets will keep right on growing and not fatten until well on in the season. A portion of the caponized cockerels also develop slips, and the meat becomes hard and unfit for the trade for which it was designed.

Why is it that the growers of these soft roasters do not make "poulardes" of their pullets? It is frequently stated that it is much easier to perform this operation with the pullets than it is to caponize the cockerels. The pullet may be placed in the same position as the cockerel for operation, the left leg being drawn forward, so as to expose the left flank, in which a longitudinal incision is to be made close to the side bone. This will bring in view the lower bowel, and inside of it will be found the egg passage. Have this drawn to the orifice of the wound by a small hooked wire, and cut across, or perhaps what is better, a very small piece of it removed. The development of the ovary, or egg-producing organ, is entirely prevented, and the bird fatted, rapidly attains a very large size. It is quite necessary that this operation be performed on the pullets before they have commenced to lay.

Now that the South Shore districts have become so noted for growing the best poultry in the world, why can not these experts take up the old French custom of making poulardes and experiment with this to learn whether or not it would prove profitable or beneficial to the poultry growers of the country?

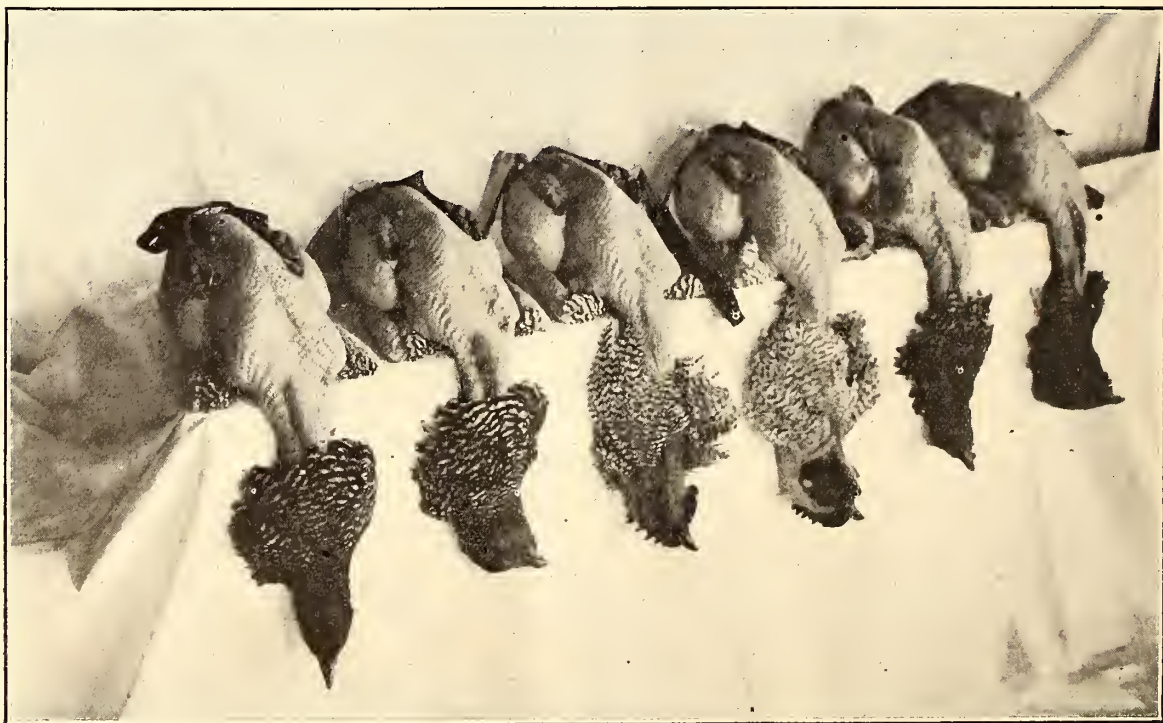
Among the main features for successfully growing poultry is the ability to rear all the chicks that are hatched, and to bring the greater portion of all these to a speedy maturity, so as to dispose of them in the markets in the shortest time in which it is possible to finish them. To do this one must select a time for hatching that best serves the purpose, as a given number of weeks must elapse from that time until the young stock can be grown and marketed. The most profitable period for selling broilers is just at the time when other kinds of poultry, game, etc., are scarce in market. When sufficient time has elapsed in the spring for the chicks to grow to broiler size, the market is so well supplied as to reduce the price. To gain the greater profits,

the broiler should be sent into the market in advance of the farm-grown stock, and even then the cold-storage broilers bring remarkably good prices up to and after the 1st of May.

Other seasons, when everything is quite favorable, the 1st of April finds shrinkage in the prices. Like conditions exist with the growing of roasters. To be profitable, they are brought into the market during the early summer months, just when broiler-sized poultry becomes scarce and the well-finished roaster sells most profitably. During the entire summer season, at the fashionable resorts, broilers, frying size, and good quality roasters sell well at the most fashionable hotels. This is during the warm months of summer. By fashionable hotels we refer to those who charge the highest prices for their meals. There is an almost inexhaustible demand for the best quality of poultry and eggs during the entire year in certain quarters where the cost is scarcely considered when satisfactory return in quality is given for the price paid.

To cater to these demands it is only necessary to grow the most desirable quality. The commission houses of our large cities are continually seeking for better quality in all kinds of poultry supplies. One dealer in New York City made the statement that he willingly paid 10 cents advance per dozen for eggs of a sure quality the year round, and 5 cents a pound for all kinds of dressed poultry, providing the quality was up to the standard that would warrant the statement that it was of the highest character. As soon as the growers of poultry and the producers of eggs begin to realize the possibility of producing quality equal to that sent from Sussex to the markets of London, and in and about Houdan, France, to the markets of France, some little idea will be realized of the profits that may be made in poultry growing.

We have seen the best grades of Rhode Island turkeys sell in the wholesale markets of New York City at 35 cents per pound. The best grade of roasting chickens bring 28 and 30 cents per pound, while smaller sizes sold from 30 cents per pound to as much as \$2.25 for a pair of small broilers, which did not weigh to exceed two and one-quarter pounds, while in the same commission house was offered all these dif-





ferent kinds of poultry at from 9 to 14 cents a pound, according to the grade. We doubt if it costs any less to grow the cheaper grades than it does to produce the better quality, which is the result of proper care and attention to the purpose in view.

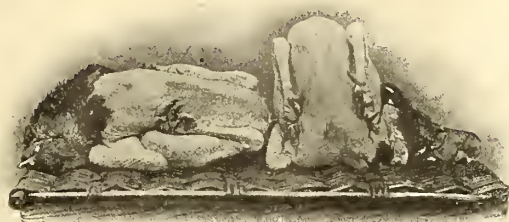
An article on table poultry, written by "Sussex," was published recently in *Poultry, England*. This article is so directly in line with our statements above relative to the quality of table poultry, that we print the article so that our readers may compare the demands of the English markets for table poultry with our own. A few features of interest are the comments made on the competition of the frozen poultry from this and other countries, and the consideration of white meat and shanks as compared with the American preference for the yellow.

"The improvement in the general quality of the table poultry marketed, and the poor prices they realized, are the two chief features of the last year. It was a good year for chickens, the weather being very favorable at the time most of them were reared, but prices were wofully disappointing; the spring market was marred by the competition of foreign frozen fowls, and the summer by the heat, which either utterly spoiled or else depreciated the value of a great number of consignments. But the improvement I have mentioned has not gone far enough; there is too much second-rate stuff sent to market, and it is this quality which has chiefly felt the foreign competition, while the prices it has sold for must have been unremunerative to the breeder.

"It is the custom of a good many farmers to breed a certain amount of poultry, without taking any special care to select the stock, for table. In the autumn all the young stock unsold is sent up to Leadenhall or the Central Market, but the price such chickens now fetch makes this unprofitable. Any one who intends to breed for the London market must breed a certain type of fowl—that approximating to the Dorking—if he wants to make it pay. Though all the best fattened fowls on the market are called Sussex, they do not necessarily come from that county. Mr. Hett, who is never beaten for his Dorkings, and seldom for cross-breeds, at the Smithfield Table Poultry Show, lives north of London. Neither need a 'Sussex fowl' be colored to Club standard. Some of the best table fowls shown at Islington each December are Indian Game Dorkings, and there are other crosses.

"A few days before last Christmas, Mr. Charles Brooke showed me a parcel of beautiful poultry just unpacked, each bird of which weighed from eight to ten pounds. 'Buff Orpingtons,' I said, looking at the heads. 'Lincolnshire Buffs,' corrected Mr. Brooke, 'and they are one of the finest table breeds we have.' It is a pity the Buff Orpington has swamped the Lincolnshire Buff. The latter is not much to look at, but it is hardy and a good layer, and crossed either with the Dorking, the Faverolles, or the Houdan, it makes a first-class table fowl.

"But even if the farmer has poultry suitable to breed for table, they need special feeding to make the best of themselves. I read, with humble amazement, that in some poultry establishments in America the chickens are reared on dry grain entirely, and then promoted to 'dry mash,' ground meal given in hoppers undamped, and then they are killed for table, and that this method is considered superior to 'wet-mash' feeding. But our breeders, who can not be beaten for the production of first-class poultry (the American birds lack size and finish), go on the exactly opposite method. The chickens do not get any grain—nothing but ground meal, damped



SPECIALLY-FATTENED FOWLS

with water—and presently skim-milk with a little rough fat added. And this method, which produces the poultry we saw at Smithfield, certainly does not want any American improvements.

"All the yellow-fleshed breeds are only second-rate table fowls. The Plymouth Rock and the Wyandotte may suit the American market, but their inferiority to the Dorking and the Sussex is manifest at any table-poultry show, but especially at one like the Smithfield. Wyandottes, which are so enormously popular to-day, seem to be turning white fleshed; at any rate some



ROASTERS

BEST QUALITY ROASTERS

shown recently were hardly distinguishable from Orpingtons but for their legs. Such breeds as the Langshan and the Houdan are good table fowl, but their leg-color is against them, the market, for no very good reason, insisting on white-legged fowls for table.

"For quality as well as size, there is nothing to come up to the Dorking, but it is rather a slow grower, and the fattener, who is above all a practical man, finds it does not pay to breed pure. He crosses it with the Faverolles, which is partly Dorking; with the Indian Game, perhaps the very finest cross of all; with the Buff



PHILADELPHIA-STYLE CAPON

Orpington (or Lincolnshire Buff), and with the Brahma. For size this last cross can not be beaten. A cross sometimes followed, but which I do not recommend, is the Dorking-Old English Game. For size this fails utterly to the Indian Game cross, and the latter should always be substituted.

"A certain amount of skill in killing, plucking, and packing fowls for market is required. Even to-day all consigners do not know the importance of fasting fowls twenty-four hours before they kill. Unless the fowl's crop is thoroughly empty the carcass begins to decompose at once, and in hot weather the error is fatal. Plucking, if done unskillfully, will knock threepence, or even sixpence, off the value of a chicken. Each bird, too, should be wrapped separately in the hamper, or it may get bruised, and I regret to say, bruised birds are all too common at the wholesale markets. Bad packing is also a common error. Only the other day a consignment of Irish chickens reached London packed in moldy straw.

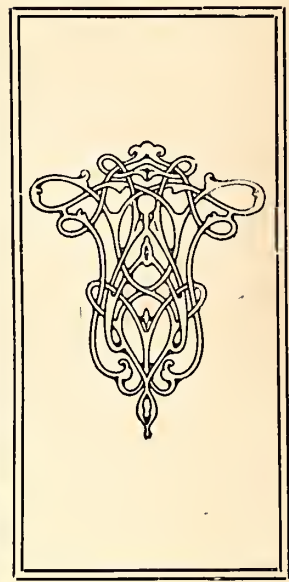
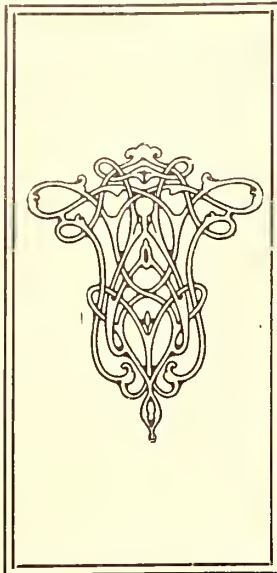
"In brief, competition is far keener than it used to be, and the only way breeders can meet it and the falling prices is by ever striving to improve the quality of the poultry they send to market. Buyers now demand fowls with the 'finish' only seen in prize-winning couples at Smithfield. If they can not pass the high standard which the market demands for first-class fowls, they are ranked as second rate, and have to compete with the foreign stuff. I can not help thinking that some of the poultry sent to London would sell better locally, or at one of the big provincial towns."

The above may well be considered as a warning to the poultry growers of America. This tells of the certain loss to poultry growers of England who are willing to rear the poor, or undesirable quality. Poultry that is nicely fattened, finished, and dressed for market, sells the world over quickly at a profit. The poorer grades are always undesirable and too often must be sold at a loss.

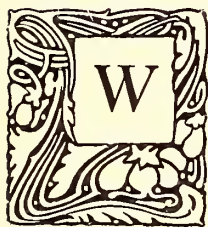
The illustrations used in this article were furnished us as follows: White Wyandotte Broilers, Philadelphia-style Capons, Specially Fattened Fowl and Best Quality Roasters were contributed by the Cyphers Incubator Company. These were photographed from specimens that had been hatched in their incubators and reared in their brooders and specially finished for market. The Three Roasters, from the Model Poultry Farm, are illustrative of the stock grown at this farm, which belongs to the Model Poultry Farm Company, and is under the direct management of Mr. Chas. A. Cyphers, who manufactures the Model incubators. All of these illustrations tell our readers more plainly than words can possibly do of the value of the better grades of dressed poultry, also the attractiveness and perfect presentation for sale in the market.

The illustration of the six dressed Banded Plymouth Rocks were made of birds which won the collection prize at the winter fair held at Guelph, Canada, last year. The two birds on the left won the first prize for a pair of pullets; the center two, the first prize for cockerels; the two on the other end, second-prize pair of pullets; all in the dressed-poultry display. This photograph was furnished us by W. R. Graham, of the Poultry Department of the Ontario Agricultural College, where the greatest interest is centered in the improvement of all kinds of standard-bred poultry. Many specimens bred from their stock prove to be prize winners in the open classes. Some of the same stock as shown here win the prizes in the dressed-poultry classes as well. Notice the color and barring.





## The Value of Eggs



WE MIGHT say that the value of eggs, as far as the United States is concerned, was covered by the yearly product of over \$300,000,000. This would not cover the ground that we wish to go over. We are anxious to have our readers more familiar with the lost profits,

and to assist them in gaining more completely the value of what belongs to those who cultivate the production for profit as well as pleasure.

It often occurs that freaks in nature bring to our notice points of real value. We received some time ago from Mr. F. M. Forbes, New Hagerstown, Ohio, a photograph, with which was enclosed the following letter: "The accompanying picture is an exact reproduction of two eggs produced by one of my prize-winning Buff Orpington hens. As will be seen they are about the size of a turkey's egg. This in itself is out of the ordinary, but upon breaking the one for use, it was found to be a complete double egg, the large outer shell containing another average-sized hen's egg. As will be seen in the picture, the inner shell being surrounded by the white albuminous matter, the other egg has been kept intact, and I have it, as well as the broken one, in my possession to-day. I wonder if any of your readers have ever witnessed this phenomena?"

We should have published this sometime ago, but have been seeking other illustrations to accompany it to have an attractive article for our readers. We will say to Mr. Forbes that this, we know, has occurred before. We have seen eggs of this character, also ordinary-sized eggs, in the center of which was a small, round egg, containing the yolk only of the egg. These features are thought to occur as the result of unusual excitement or over-production of the egg product, through the quickening of nature, as the result of the hen having eaten either unusual kinds of foods or coming into possession of the full spring ration of greens and bugs just at the height of the egg-producing period.

At Cornell University "Black Beauty" was born on the 12th day of February, 1906. She laid her first egg on the 19th of June,

when one hundred and twenty-seven days old. The accompanying photograph of "Black Beauty" and her 101 eggs was taken on the 15th day of October, 1906, at which time she had produced the eggs as photographed by her side. This is the wonderful accomplishment of an ordinary hen. We saw this hen in Ithaca, at the college, during February, when one year old. She is a small-sized, well-built hen of no distinctive character other than having the appearance of being largely of Black Leghorn or Minorca blood. This little hen might well be classed as a profitable egg producer, and of great value to those anxious to build up an egg-producing strain. This hen seems to have exhausted herself through early laying, not having accomplished

very great results along these lines since the above record was established.

Sending eggs to market in an imperfect condition will detract from their value to a very great extent. To illustrate this proposition, we present for our readers three separate lots of eggs, the one—15 eggs—having brown shells, weighed  $31\frac{1}{2}$  ounces; the 15 white eggs weighing  $28\frac{1}{2}$  ounces; the 15 mixed, or dirty eggs, in the center of the illustration, weighing  $29\frac{5}{8}$  ounces. These were photographed for us by Messrs. Lawry & Pierce, of the Poultry Department of Cornell College. These gentlemen made this special photograph at our request. We will call attention to the weights and conditions of these eggs as a market proposition.

First in value—that is, in the New York market—would be the eggs having the white shell. Notwithstanding the fact that they weighed three ounces less to the fifteen than the brown-shell eggs, a full case of thirty dozen of this kind of eggs—all of one shape, one color, and one size—would sell for at least 3 cents more per dozen in the open market in New York City, if guaranteed fresh laid, than would the brown shell if of equal quality, while in Boston, Philadelphia, Washington, and western cities, the one would sell equal to the other if both were of equal quality. Of the center showing we wish to make more than passing comment. If this plate of eggs were mixed brown and white, both clean, clear, and fresh laid, they would not bring so much in the open market, although their weight is equal to the others, as they would if selected and packed separate colors in separate cases.

If all the white eggs were in one side, and all the brown in the other side of the crate, they would sell for a higher price than if both the white and the brown were intermingled in the same case. Where the eggs are mixed, no matter if of equal quality, they will not sell as well as when separated, but when the two colors are mixed, and these are soiled, or dirty eggs, as they are called, no matter how fresh they may be, or how heavy in weight, they will be discounted from 4 to 7 cents per dozen below clean eggs of the same character. Here is an example of thrift



EGGS AT AN ENGLISH POULTRY SHOW





FREAKS, FROM F. M. FORBES

and carelessness; on either side of the center plate, which we call carelessness, is the clear, clean, attractive product of the thrift of thousands of poultrymen, who are making more than a living by keeping fowls for egg production for market. Between these two, as in life, is located the careless example, too thriftless to be cleanly, too thoughtless to take care of and save what they have. For these reasons they lag along behind, and are pointed to as disparaging examples of poultry growing. It is just as easy to have the clean, clear, fresh-laid eggs for market as it is to have the unattractive bunch in the center. It is a question that rests entirely with the producer whether their eggs will be classed to the right with the clean, clear white, or to the left, with the equally beautiful and attractive brown, or will they choose the center and be classed with the dirty eggs that must be sent to the out-of-the-way places for disposal at prices much below a profit.

Among the most thrifty of market people in the city of New York are the milk and egg stores owned by a corporation. Experience of over fifteen years has taught us that from these stores can be obtained the best milk and eggs that we have ever purchased. We have repeated several times in these columns our experience with one of these. A friend keeping poultry in New Jersey sought our aid in the disposal of her eggs. Having influenced the near-by stores to take her products, they were sent to them for disposal, and almost refused. The lady, in anger, came to the city; we took her to the store and asked the manager to please permit her to act as assistant saleslady for a few days. At the end of the time the lady went home, and from that day on the eggs she sent to the store brought the highest prices. Care and attention were given to their selection. Pure, true-colored eggs only were sent in each case. These were as clean as the driven snow. To-day this egg farm is one of the most successful caterers to the high-class New York trade.

The eggs at these stores are continually exposed in open wire trays, a sample of which we present. While this belongs to Mr. Pape, of Fort Wayne, it illustrates to a nicety the method of presenting eggs to the high-class trade. Each egg placed in these trays is of equal size, all of the one color. We have seen as many as seven separate grades in one offering, being priced from twelve eggs for 25 cents to 5 cents apiece; there was always a surplus of the lower grades. One must go early in the morning to get served from the better qualities. This demand for the best quality still continues, and will continue, we imagine, so long as the citizens of New York prosper.

As an exhibition proposition eggs have become of importance in some localities. The largest dressed poultry and egg exhibits made in the country go to Boston. In England there are

dozens of exhibits devoted almost exclusively to the dressed poultry and egg proposition. At the present time a carefully prepared score-card for judging eggs is used. The American Poultry Association has made a step forward in the promised compilation of a description for judging eggs and dressed poultry. We here present the score-card that has been adopted at Boston by the association for awarding prizes for eggs. It will be noticed in this that color and condition is fifty-five points, shape and weight forty-five; without proper color and condition, the eggs lose fast both in market and exhibition consideration.

SCORE-CARD—EGGS

Entry No. ....	Perfection	Outs
SHAPE .....	30	
Large and oval, and showing a similarity in size.		
COLOR .....	40	
Very dark brown for brown eggs, and very white for white eggs, over all the shell.		
WEIGHT .....	15	
The heaviest standard, and others to be cut one-half point for every ounce under the heaviest.		
CONDITION .....	15	
Fresh laid and perfectly clean.		
TOTAL .....	100	
DISQUALIFICATIONS:		
Double yolk, unsound, and cracked eggs.		

Judge

The eggs that we illustrated above on the plate of brown-shelled eggs average a little over two ounces to the egg. This would be twenty-four ounces to the dozen, or one and one-half pounds per dozen. A case of thirty dozen, on this average, would weigh forty-five pounds. We have known fresh-laid eggs to go into the market of New York. The case, being placed on the scales weighed over the usual or average weight of a box and eggs. They always brought a noticeable advance. The purchasers of eggs in commission houses quickly grasp the advanced value of clean, clear, fresh-laid eggs of unusual weight.



EGGS LAID BY MR. PAPE'S MINORCAS

An estimate that has been made by the knowing ones in and about the butter and egg board of exchange in New York states that men have become enormously wealthy buying carelessly-packed eggs at low prices, candling, selecting, and repacking them. It is not unusual, they say, for a large shipment to be sold at auction at a remarkably low price, the entire lot to be returned for sale within three days, carefully selected and packed in new cases, to bring at least double the prices paid for them at auction three days before. All of this profit goes into the pockets of careful business men, who take advantage of and prosper through the carelessness of those who originally produced the eggs. If the same caution were applied to the original packing and shipping, the profit would have gone where it belonged—to the producer—and not to the shrewd handler, who watches with hawk-like eye to take advantage of every occasion that presents itself to add to his wealth.

It is to be deplored that we must admit that one-third of the entire amount received for eggs goes into the hands of the handlers as their profits, gained through shrewd manipulations. If those who produce the eggs would apply the same care and attention to the hens, the cleansing of the nests, caring for packing and shipping the eggs that is applied by the handlers when they come into possession of them, more than \$50,000,000 additional income would go into the pockets of the owners of the hens.



BLACK BEAUTY AND 101 EGGS WHICH SHE PRODUCED





## Black Sumatra Jungle Game



INCE publishing our full account of the Sumatra fowl in the February FEATHER, we have had a number of communications relative to them. Among these the request for knowledge as to where the Black Sumatra came from has frequently appeared. We think that this question is fully answered by the following article from the pen of L. Walter Bennett, in the March issue of The Feathered World, England:

"That there is any ground for the suggestion that these and the ordinary Jungle Fowl are varieties of the same breed can never for a moment find place in the mind of any one who has seen them both in their wild state. To those who have not been so fortunate, I would recall the fact that whereas jungle fowl ordinary are to be met with in many countries thousands of miles apart, the habitat of the Black Sumatra Jungle Game is practically confined, so far as we at present know, to the three islands of Sumatra, Java, and Borneo. It was my fortune to meet in Penang a man who had been in New Guinea on a sporting excursion, and, being interested in the flora and fauna of the East Indies, I asked him among other things regarding four different kinds of birds, which I had reason to believe were peculiar to Sumatra and its locality. They were as follows:

"A kind of wild duck, which habitually settles and roosts in trees, though having the ordinary webbed feet and usual duck characteristics.

"A pheasant of almost sky-blue plumage, but with scarlet-crimson beak.

"A pigeon with gray wings and back, yellow-gray and blood-colored spot on breast.

"Black Jungle Game.

"The pigeon he knew, but the other birds he had not seen during his stay of several months in that island. Until, therefore, there is evidence to the contrary, I think we may safely take it that the Black Jungle Game are not to be found elsewhere than in the islands named.

"During a six years' residence in Sumatra (East Coast), I was fortunate enough to get several specimens of the Black Jungle Game, and by dint of many ant and mosquito-bitten hours of waiting, was enabled to watch these birds unobserved by them.

"They are even more shy than jungle fowl ordinary, but are greater rangers. They live in the outskirts of big forests, and feed at dawn and dusk of evening among the tall grass which is dotted down in varying extent amid the dense jungle-like islands in a sea.

"Here only is the chance of a shot, for once they reach the jungle they are lost. They are remarkably strong in the wing, almost, if not quite as fast as the pheasant, which they so much resemble. They are, when wounded, very difficult to find, being able somehow to hide in nothing.

"They can not be described as anything but rare, and, though there may be many of them in the jungles, they are very seldom seen, and then

only after many blank excursions. Their gait is unique, but somewhat resembles a pheasant when startled; generally speaking, they prefer running to walking.

"Comparing the wild bird with the domesticated one, several points strike one as differing. Firstly, size, the wild bird seeming smaller; secondly, carriage, the wild bird being much more alert-looking, the tame bird having lost much of the boldness and wildness of eye, and the almost indescribable manner of carrying the head, neck, and tail when in motion.

"Mr. F. R. Eaton, of Norwich, very kindly showed me his fine collection of the breed, and out of all his birds there was one only whose manner, carriage, and gait was really typical of its wild forbears; this was a fine, small male, which had never been penned.

"I do not wish to imply that the domesticated bird has altogether lost its unique type, but rather that the years of confinement and food without the labor of search, had left a decided mark.

"As regards color, also, there is a lack of green sheen even in the best of his birds, compared with the wild ones. As a reason for this I will offer for what it is worth an observation I made in Sumatra.

"There is a moss, *Selaginella atrovirides* or *Selaginella walichi* (I am not sure which), which grows in the jungles throughout the whole Malayan neighborhood and abounds in Sumatra. Wherever the soil is red of a peculiar shade this moss acquires a bright blue luster, which I have never found it possess in other soils. In this soil is a strong mica deposit, also a white crystal, the nature of which I am unable to state. It was only on or near this red jungle land that I found Black Sumatra Jungle Game. It has been stated that white feathers sometimes occur. I never saw any in the specimens I shot; nevertheless, since white feathers are not uncommon in the black birds of this country, it is quite conceivable in the Black Sumatra Game. Red feathers do occur.

"The comb is small and close, and varies somewhat in color, but is generally a reddish black. The wattles and ears vary, but are small, and the latter are occasionally white. This occurs generally, if not always, when the comb is red. I had thought that the red feathers and varying color of the wattles, also the white ears, might be due to accidental crossing with the ordinary jungle fowl, but this is mere supposition, and except that they share the same jungle, there is no ground on which to base such a theory.

"Of the domesticated characteristics, I am not competent to speak, but those interested will find much information in Mr. Eaton's pamphlet entitled, 'The Black Sumatra Game Fowl.' With all deference to those fanciers who breed these birds, I would urge the importance of retaining the gait, the carriage of head, neck, and tail, and boldness of eye. After all, these points, as well as feather and shape of body, go to make the breed stand out unique among all other classes of poultry.

"There is, of course, the presumably insurmountable difficulty of judging these points on which I lay stress at shows, since to judge them a large pen would be required in which to turn loose each bird, but breeders, by selection, should endeavor to retain these points, which I have before remarked are becoming less conspicuous than in the wild state, and the loss of which would be deplorable."

A few days ago we met Mr. Leonard Wood, the father of the Black Sumatra in this country, who told us that he doubted very much the actual existence of the Black Sumatra as a jungle fowl in England. "Such reports," said he, "frequently come from different sections of the globe. Oft-times people mistake specimens seen running about in foreign countries that are unfamiliar to them for wild or jungle fowls."

In reply to the above article from the pen of Walter Bennett, we copy from the same publication the following words from the secretary of the Black Sumatra Game Fowl Club of England. He writes as follows:

"All breeders of Black Sumatra game fowls who have read the article by L. W. Bennett, in The Feathered World of last week, must feel under a debt of gratitude to that gentleman. It does not fall to the lot of every one to get so far away from home as Sumatra, and therefore when any one who has actually been there gives us information which can only be obtained 'on the spot,' that information is particularly welcome to us.

"Now, in Mr. Bennett's article he says these wild birds feed at dusk and dawn. Where are they during the day? Why, in the shade of the jungle. Hence the necessity of giving Sumatras plenty of shade, for, unless you do, you can not preserve the sheen in all its beauty.

"Mr. Bennett mentions the *Selaginella* moss. Many mosses contain a certain amount of mucilage—something akin to that found in linseed. Linseed has the reputation of improving the gloss of a bird's feathers. Such being the case, I can quite understand that this moss, if consumed by the wild Black Sumatra fowl, would have a tendency to keep a sheen on the feathers.

"Personally, I pay great attention to preserving, as far as possible, this feature of sheen. I must say that if the best of Mr. Eaton's birds were lacking in sheen to the wild birds, these latter must, indeed, be glorious. Sheen, it must be remembered, is more manifest at certain seasons of the year, and on certain kinds of days. It would be interesting to know when and what sort of a day it was when Mr. Bennett saw Mr. Eaton's bird. Personally, I do not think any one who has seen the Black Sumatra game fowls at the last three club shows, could come to any other conclusion than the following: 'That in the matter of sheen the Black Sumatra were much better this last year than in previous years.' If sheen is desired, it must first be bred for by using a male bird that is himself good in this respect, and, secondly, having bred on right lines, the sheen must be retained by giving the birds plenty of shade and feeding them on suitable food."



## The Trumpeter Pigeon



R. VICTOR WOODFIELD writes, in The Feathered World, England, the following interesting article on the Trumpeter Pigeon, which we publish for the benefit of our readers:

"The Trumpeter Pigeon—here, indeed, is a strange name for a pigeon! Why it was given this name is very difficult to conjecture, unless it can be attributed to some peculiarity in the 'coo' the bird makes. Diligent search has failed to enlighten me on the subject, and the only way I can attribute this strange nomenclature is as stated above. The variety used to be known as the Laughing Pigeon, and Fulton states that this name was given it on account of the abruptness of the bird's coo; but why the name should be changed to Trumpeter it is difficult to understand. The Americans call the breed Russian or Bokhara Trumpeters, this latter name being uncommon, and rarely, if ever, used in the British Isles.

"Like many other varieties of pigeons, the Trumpeter was first imported from Russia, and is undoubtedly of Russian origin, although many specimens of the breed are to be found in Germany, whence many have been imported into this country, but Germany is certainly the country of their adoption, and not of their origin, the Germans having imported the breed from Russia in the first instance.

"Well do I remember, some years since, when on a visit in Oxfordshire, seeing a loft of these birds. The peculiarities of the feather growth did, indeed, impress me as being most strange, and I have since been an ardent admirer of the variety, and whenever the opportunity has presented itself, have always taken a lively interest in the breed. The loft in question contained birds of the three well-known colors—viz., mottles, blacks, and whites—and beautiful they appeared to me as a striking instance of some of the peculiarities of the Columbarian tribe. The gentleman to whom they belonged was an ardent fancier, and doubtless would by this time have been to the front in the Trumpeter Fancy, but some few years ago he was called away to the home from which no man returns, and his loft of birds passed into other hands.

"There is one peculiarity in the feather formation of the Trumpeter which can not be found in any other breed of pigeons, and that is the tuft of feathers which it possesses on the top of the head, and which is termed the rose. This feather formation is best likened to the crest of a Canary. It is circular in shape, diverging from the center, and covering the whole of the skull, and also extends over the eyes, and nearly the whole of the beak. It is large and well formed—in fact, the larger the better, as the size and shape of the rose is the principal point in a Trumpeter. This circular formation should be thick and even, not rough, also without any appearance of being irregular or pinched in front, and, as before mentioned, the larger the better,

combined with what is essential in all perfect specimens—quality.

"Having mentioned the feature of the Trumpeter, which is certainly individual to this particular breed—viz., the rose—there is also another feather growth, which is called the shell, and this characteristic is possessed by other breeds—namely, Swallows, Nuns, Frillbacks, and some few others, mostly of foreign production. The shell is a semi-circle of inverted feathers, rising behind the rose, half encircling the head, and extending from below the eye on one side of the head to the same position on the other side of the head. The essential quality of the shell is its length of feather and regularity of shape. It should commence



TRUMPETER

at the base of the skull, be of good breadth and fulness, smooth and even. The principal faults in shell formation are thin ones; narrow, rough, or broken ones; also the position of the shell must be taken account of, as a high-set one is a great blemish.

"Foot feathering is another property which belongs to the Trumpeter. Like the Swallow, Muff-legged Tumbler, and some few other breeds, it is endowed with a plentiful supply of this feathering. It begins at the hock, extends down the leg, and covers the whole of the toes. The longer the feather the better. The feathers which commence at the hock are somewhat short, but the length increases farther down the leg, while the longest feathers grow on the feet, more especially on the outside of the feet—it being natural that they should be shorter on the insides, or that part of the feet between the legs, or they would impede the bird's operation of walking. Good long feathering on the feet is necessary, but the principal points are the rose and shell, and these should on no consideration be neglected for the sake of foot feathering.

"The size of the Trumpeter is very deceptive to a person unacquainted with this

particular breed, as it is feathered to a greater extent than any other member of the Columbarian tribe, and therein lies the deception. In reality it is not any larger than the Dragoon, and when one takes into consideration that the Dragoon is classed with the larger breeds of the pigeon world, one may safely say that the Trumpeter is a good-sized, if not a large pigeon.

"To the uninitiated it is always a puzzle how the bird can see, as the rose extends over the eyes, and gives one the idea that the organs of sight are altogether obscured, so as to interfere with them performing their functions. Then, the legs are so heavily muffed that it certainly does give one who is unacquainted with pigeons the idea that it is impossible to walk with the feet hampered to such an extent.

"To all appearances the Trumpeter is clumsily and heavily built, and this seeming clumsiness is not only caused by the amount of feathering the bird is endowed with, but, to a very great degree, by its carrying its feathers so loosely. This appearance certainly seems justifiable to a person who sees the bird in its inac-



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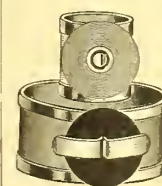
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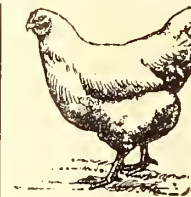
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"A hint to those who wish to take up  
another variety of pigeons. I would cer-  
tainly recommend any one who intends  
taking up a breed of pigeons to select the  
Trumpeter, as I emphatically believe  
that it is one of the coming varieties, and  
any one who does so will find it will  
amply repay him for his time and trouble.

"When judging Trumpeters, they should  
be taken in the hand and carefully looked  
over, as many defects become apparent  
when the bird is in the hand which can  
not be detected in the show-pen. This sug-  
gestion relates more especially to soft-  
feathered birds, as they appear much  
larger in rose and broader in shell than  
they really are, and so those birds of  
tighter plumage do not compare favorably  
with those loose in feather unless both  
are carefully examined when in the hand.  
In judging a class of Trumpeters, a  
judge can, at a glance, detect the poor  
specimens, and, of course, it would not  
be worth his while to examine these in  
the hand, but the specimens of good  
quality and those in which quality and  
merit are nearly equal should be exam-  
ined in the hand as well as in the show-  
pen, and adjudicated upon, point for point.

"In judging Trumpeters, the proper-  
ties should be taken in the following

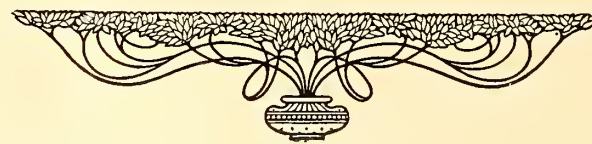
order: Rose—Size, shape, and regular-  
ity. Shell—Size, shape, and uniformity.  
Foot feathering—Length and quantity,  
size. Color—A Mottle, if correctly  
marked, should be placed before a Black  
or a White, providing all other points are  
equal. Tightness of feather, color of  
beak, and, lastly, color of eye.

"The scale of points is as follows:

Rose .....	10
Shell .....	8
Foot feathering .....	6
Size .....	2
Color .....	2
Tightness of plumage .....	2
Beak .....	1
Eye .....	1
Total .....	32

"Mottles should be allowed four points  
for markings and color, instead of two  
for color alone—that is, two points more  
for correctness in markings than either a  
Black or a White.

"When one comes to consider the pecu-  
liarities of nature, surely the Trumpeter  
Piegon may be counted among them, for  
what other variety possesses such a char-  
acteristic feather formation of the head,  
with its elegant rose, compact and regu-  
lar shell, and foot feathering—in fact,  
such a combination of peculiarities in its  
feather construction? I venture to say  
none."



## Value of the Catalogue

The world is flooded with advertising  
literature; thousands upon thousands of  
dollars are expended for circulating the  
wares of the merchant, covering a field  
from the little one-page circular to the  
beautifully executed catalogue.

It is but natural to think that a large,  
thrifty business can afford to have an ex-  
pensive catalogue, while the facts are that  
quite frequently the thrift and success of  
the business can be attributed to using the  
most attractive literature in the early  
stages of its existence.

Formerly, the advice that there was  
plenty of room at the top, could be ac-  
cepted literally; to-day the lower rounds  
of the ladder, and, in fact, each round al-  
most to the top is crowded with aspirants  
for success. It is much more difficult at  
the present time to go over or beyond  
those seeking the top than formerly. New  
or verging paths must be discovered and  
followed with tact and determination, so  
as to come in above the head of the  
masses without climbing over them. The  
most auspicious way of gaining this as-  
cendency is through the use of well-placed  
advertising and beautiful catalogues.

These catalogues should be of such a  
character as to attract attention among  
the thousands; each one should have an  
individuality that would attract attention  
whether the reader is interested in its  
story or not. Attention gained in this  
way may lead to the perusal of the con-  
tents and a subsequent addition of a cus-  
tomer from among those who never  
thought of dealing in your wares.

This is the line of thought followed at  
the present time by the most successful of  
all our business men. The advertisement  
carefully written and judiciously placed,  
attracts; following up with the beautiful  
catalogue lands the prize. The most suc-  
cessful of all the poultrymen of the world  
are those who make use of the most pleas-  
ing catalogues. We have for years done  
our part in presenting our clients' adver-  
tisements in the best manner in the col-  
umns of THE FEATHER, and are now in a  
position to print the finest line of cata-  
logue work that can be designed. This  
kind of work can not be cheaply done. If  
cheaply done, it has but little value as a  
drawing card; it would be better to ex-  
pend a sufficient sum to gain success  
rather than to pay out a little here and a  
little there which will be blown away and  
lost sight of among the better class of  
literature. Nothing else pays so well.

All those who contemplate issuing  
handsomely finished catalogues are in-  
vited to solicit estimates from this office.  
We know that we can please you in the  
quality of the work. Our facilities are of  
the best, our workmen and workmanship  
can not be excelled. But remember that  
this kind of work can not be cheaply  
done. The value of the catalogue lies in  
the workmanship and its character. We  
can submit samples of our work, both  
plain and colored printing, the quality of  
which will satisfy those most particular of  
our ability to turn out the highest char-  
acter work of this kind.





## Getting a Start



WHEN the writer started into the pigeon business a few years ago, it was solely to gradually work into a business that would allow him to have an outdoor occupation, and to obtain a net profit of 6 cents on every dollar expended.

The building I erected was 12 feet deep, making compartments 10 by 9, with a 3-foot alley in the back. Feed-troughs opened into the alley and my earthenware drinking fountains were set just inside the door, so I did not have to enter the pen except at inspection time. The building was papered and shingled all over. Double floors were laid, with tar-paper between. A large window to each pen, and a small one in peak at each end of building for ventilation, made a house that had no money wasted in its construction.

In purchasing stock I have found by experience that the best high-grade stock procurable yields the heaviest dividends. For instance, if you purchase Homers at \$1 per pair, you get mixed birds, age uncertain, which stands first in importance, size, and color next. Some would be worn out, some too old for service, etc., and you would find, after you had spent six months to a year in a vain endeavor to win out, that it is a useless proposition, and if you continue in this industry, which has a great future and possibilities before it, you would have to make another start.

This means money, for one thing, which can be made good if your means are sufficient, but the time lost can never be regained.

Now, let's look on the other side of the proposition, buying Homers as a starter. You buy less birds at the start, but you say you want the finest procurable, so you pay \$2 per pair if you purchase in

quantity, or \$2.50 if you desire only a few. You are guaranteed mated, or married pairs.

Being mated, they immediately commence work, and inside of a week you have eggs coming along. There is no loss of valuable time this way.

You will find your squabs run very large, as you are breeding from young, fresh stock. In consequence you can demand a higher price for them than your neighbors can obtain. Every one has friends, and they will soon know you have pigeons.

This means they will not rest contented until they have inspected your stock. Then they will notice your birds are larger than those usually seen, and that the color runs remarkably even on each bird. In consequence orders will soon come your way for breeders, because you have the finest birds in that locality, so, in a short time, instead of selling squabs you will have a business paying double the profits.

By having purchased high-price birds you have made less work for yourself in the beginning, and have attained your object in a shorter space of time than you would otherwise. The satisfaction of knowing your judgment was superior to your neighbors, who no doubt shook their heads and said you paid too much for your parent stock. By demonstrating to them you were able to win out when they are just making both ends meet, can not help but be very gratifying. It gives encouragement and offers inducements to continue until your plant can give you a profitable living.

I firmly believe the squab industry is here to stay. The demand is steadily increasing and prices are getting stiffer. Squabs are as easy to sell as eggs, with plenty of buyers, so no one need have any fear in making a start any time in the year. One time is as good as another.—Ernest L. Winslow.

## Grading the Flocks

The agricultural press is giving considerable attention of late to the question of improving the flocks of poultry by grading. This can be successfully accomplished if properly handled, but where it is done in a slipshod, negligent manner, the results are usually mongrels not much better than the original stock.

Building up a flock of hens can be successfully done in but one way. Select the breed or variety you prefer to keep, secure as many male birds of this variety as will be sufficient for your flock of hens, and kill and sell to market or use for the family table all the male birds upon the place other than the ones purchased for grading up a flock. Have these all alike of the one standard breed or variety selected at the end of the first season, sell to market all the original stock of hens, keeping only the pullets or the best of

them to be mated to the same male birds used the year before. The third season select a sufficient number of the best pullets grown the second season, and secure from some strong strain of the same variety a sufficient number of male birds to supply your need, discarding all other male birds, excepting those that have been selected from the new flock. If this is continued for six or seven years, it will be safe to use the best of the male birds in the sixth or seventh generation. In no other way can a true variety that will produce better than themselves be built up from a promiscuous flock of hens. The introduction of the standard-bred male birds is not upbuilding; it is simply cross-breeding and mongrelizing your flock, unless it is continued in year after year as above described. In this way great success and improvement can be gained; in any other way nothing but deterioration is the

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Egg Packages	Egg Cabinets
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Set consists of 7 1/2 inch Water Bottle, capacity one quart, six half pint star cut tumblers and highly reflecting beveled Belgium glass 14 inch plateau.

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Winners of 1st prizes, Boston, New York, Philadelphia, Rochester, and Cincinnati

Eggs at \$2.50 per 15

Special Matings at \$6. per 15

C. M. BRYANT, PROPRIETOR

13-5

## THE GREAT HAGERSTOWN FAIR

OCTOBER 15, 16, 17, 18, 1907

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JUDGES—Poultry: Geo. O. Brown, Chas. McClave, Dave Nichols, Wm. G. Minnich, Louis P. Graham, and Miller Purvis.  
Pigeons: W. J. Stanton, Geo. Ewald.  
Waterfowl, Turkeys: John C. Kriner.

B. A. BETTS, Supt.

13-1

# MODEL INCUBATORS AND BROODERS



I can help you make a success in the poultry business, whether it's a hundred hens for your own table supply or fifty thousand layers for large commercial purposes. My experience has been so broad, so varied; I have "come up against" all the "ins and outs" of hatching, brooding, feeding and marketing of poultry that many say I am an authority on profitable poultry-raising. As a proof, my Model Poultry Farm was a profitable success in six months. I now have poultry there numbering

**80,000, Hatched and Brooded**

in my famous **Model Incubators and Brooders**. Buying your incubators and brooders of a man who knows nothing—or very little—about hatching and raising poultry is running a useless risk. Don't do it. I not only sell you a Model Incubator or Brooder but I add to them the valuable experience of years as shown in their construction. Model Incubators show excellent hatches—hatch every hatchable egg. The Model Brooders grow sturdy chicks. Remember, my interest in you doesn't cease when I ship you a machine and get the money. You buy a part of my time and are cordially urged to write me and ask all the questions you wish. I'll stay by you. Send your order today and get in line with the profit-getters. Free catalog for everyone.

CHAS. A. CYPHERS,

316 Henry St.,

Buffalo, N. Y.



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One time.....\$ .50  
Three times.....1.00  
Six times.....2.00  
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Copy may be changed as often as desired, though we advise running a standard ad when possible. In order that buyers may become acquainted with it. Length of ad is not limited, but additional words will be charged for at the rate of 2 cents each for one insertion, or 1-1-3 cent each for each insertion when run three times or more. Figures count as single words.

## PLYMOUTH ROCKS

Must Sell Five Pens of "Fishel" Strain White Plymouth Rocks. Elegant birds. Good breeders, good layers, well bred. Four pens and cock in each pen. Prices, \$10, \$12, and \$15 per pen, if taken soon. Will cost much more later. Satisfaction guaranteed. Write. COOLSPRING POULTRY YARDS, Plummer B. McCullough, proprietor. Route No. 2, Box H. Mercer, Pa. 13-2

White and Barred Plymouth Rocks, Black Langshans. Best strains eggs and stock for sale at all times. We are among the largest breeders in the East. PINE HILL FARM, Canaan, N. H. 13-2

Baby Chicks, from High-class White Plymouth Rocks, 8 cents each. Eggs, \$1. 13; \$2. 30; \$4. 100. Stock for sale. GEO. KUNEY, Fayette, Ohio. 12-12

Buff Rocks; Fine Breeders in Cocks, Cockerels, hens and pullets; line bred from my Rochester, Boston, and Madison Square winners at \$1 to \$3 each. Exhibition birds cheap. Barred Rocks, Parks bred-to-lay direct. Six yearling hens and one cock, \$10. Cockerels and pullets, \$1 each. OREN HANES, South Colton, New York. 13-1

Orders Booked Now for Young Stock in Buff and white Plymouth Rocks; all from great layers and prize winners. One hen has a record of 61 eggs in 65 days. Satisfaction guaranteed. Drop us a postal for prices on pens, trios, etc. CHAMBERLIN BROS., North New Salem, Mass. 13-1

Walsh's Barred Rocks Are Right Up to Date. Young stock maturing fast. Some choice yearling breeders for sale. L. W. WALSH, Box 248 F, Lynchburg, Va. 13-1

Mattocks White Plymouth Rocks. Stay White kind. Forty prizes at last three shows. Satisfaction guaranteed. Right prices. Stock, eggs, etc. H. E. MATTOCKS, Oakland, Ill. 13-1

Ringlet Barred Rocks! Our Entire Flock Are descendants from Thompson's best pens. Cockerels, \$3; 13 eggs, \$1.50. Supply catalogue free. OWEN COONS, Mohawk, N. Y. 13-3

Wysong's Barred Plymouth Rocks Are Fine as silk. Eggs, \$3 per 15; \$5 per 30. Satisfaction guaranteed. O. B. WYSONG, Bank Cashier, Fithian, Ill. 13-3

Barred Plymouth Rocks—Egg-laying Strain—Eggs only \$1 per 15. R. WALKER JACKSON, Asylum Pike, Frankford, Philadelphia, Pa. 13-4

Barred Plymouth Rock Eggs for Hatching, Bradley, Miles, Wells Strains; \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

Riley's Barred Plymouth Rocks Are Champions, winning every first at the great Philadelphia Show. Get my mating list before buying. HENRY D. RILEY, Strafford, Pa. 13-6

E. E. Pryor, Specialty Breeder, Barred Rocks, Thompson strain, and Buff Cochins Bantams, high prize winners and breeders. Stock and eggs in season. Martinsville, Ind. 12-12

Woodside Farm Barred P. Rocks, as Good as grow; elegant harring; standard weight and over; both matings. Eggs, \$1.50 per 15; also Whites of best quality, same price. E. POLING, Keyport, N. J. 12-12

County Line Poultry Farm Breeds Barred Rocks and S. C. Buff Leghorns. Prize-winning matings. Stock and eggs for sale. \$2 per 15. Route 10, Medina, N. Y. 13-2

Tidd's Barred Plymouth Rocks; Bred from Prize-winners at Scranton Show. Cockerels and hens for sale. Eggs, \$2 per 13. S. J. TIDD, Taylor, Pa. 13-1

Bradley Bro.'s Barred Rocks. My Breeders Also Lititz and Carlisle winners, for sale. \$10 pens, \$7; \$15 pens, \$10; \$20 pens, \$15. A. W. MABURGER, Denver, Pa. Lock Box 26. 12-12

Plymouth Rocks—Jennings' White Plymouth Rocks. Standard-bred from the best strain in America. Choice stock for sale. Satisfaction guaranteed or money refunded. Write me your wants. W. G. JENNINGS, Carthage, N. C. 13-5

400 Royal Blue Barred Plymouth Rocks, Hatched and raised by forty hens, good breeders, at \$1 to \$2 each, in lots. STANDARD POULTRY YARDS, F. B. Fenton, Beloit, Wis. 13-2

Barred P. Rocks—We Have a Splendid Lot of yearlings and young stock, and can furnish you birds up to snuff, and in any quantity, at moderate prices. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. 13-2

Single-combed Buff Orpingtons and Barred Rock cockerels and pullets; also two good cock birds and African geese. J. H. WORLEY, Route 2, Mercer, Pa. 13-5

White Rock Stock for Sale—Raised on Free range. Prices and stock guaranteed. Write us for prices. H. P. SMITH & SON, Woodhull, N. Y. 13-2

## LEGHORNS

Have a Few Rose-combed Browns. J. HART WELSH, Douglaston, Long Island, N. Y. 13-4

For Sale—S. C. White, Buff, and Brown Leghorn hens; eight of each variety, 75 cents each. Good stock. Eggs, \$1 per 15, from prize-winning stock. CHAS. E. BOSTON, New Midway, Md. 12-12

S. C. W. Leghorns. All Stock from My Breeding pens for sale at reasonable prices. Eggs, 15 for \$1.50; 100 for \$6. Address C. B. KROGMANN, JR., 2002 Fourth Street N. E., Washington, D. C. 12-12

R. C. W. Leghorns, for Sale; Twenty Yearling hens and cock. Single birds, \$1.25; five or more, \$1 each; also young stock after August 15, \$1.50 and \$2 each. R. W. PRICE, Troy, Pa. 13-1

Buff Leghorns—Fifty Yearling Hens, Wyckoff strain, all excellent birds for breeding purposes, at \$2 each. Address L. M. HEADMAN, Frenchtown, N. J. 12-12

Single-combed White Leghorns. Wyckoff Strain. My winnings at Butler this year—1st, 2d, 3d pullet; 2d cockerel, 5th hen, 1st pen; also special for best display. Eggs, \$1.50 and \$2 per 15. RALPH OLIVER, Punxsutawney, Pa. 13-1

Single-combed Brown Leghorns. All breeders and show fowls for sale cheap. Also choice young stock. Write me your wants. S. J. HARLACHER, Hanover, Pa. 13-1

Ten Single-combed White Leghorn Hens and a pure white yearling cock, \$13. They will breed prize winners and lay lots of eggs. Finest blood in United States. Write quick. MAPLE HILL FARM, Route 3, Fort Plain, N. Y. 13-1

4,000 S. C. W. Leghorns. Large, Healthy, Line bred WHITE birds. Bred for hearty egg production. Breeding and utility stock and eggs for hatching for sale at fair prices. BELLE HILL WHITE LEGHORN RANGE, Elkton, Md. 13-10

Single-combed Brown Leghorns; Best Layers known; figures to prove it. Stock for sale. Must sell. Prices right. Write ALMOND K. DENNIS, Cameron, N. Y. 13-1

Crawford's Rose-combed Brown Leghorn. New York and Chicago winner. Ten pullets, one cockerel, \$10. Show cockerel that can win at fall fairs. JAS. CRAWFORD, Cameron Mills, N. Y. 13-2

Blanchard-Wyckoff Single-combed White Leghorns. Strains pure—separate. Very choice yearling hens, cock birds. Circulars and full particulars. C. N. REYNOLDS, Canton, Pa. 13-2

Over Stocked—Fine S. C. White Leghorns, Cheap. SOUTHERN POULTRY YARDS, H. A. Sager, proprietor. Box 412, Herndon, Va. 13-2

S. C. W. Leghorns—19 Pullets and 7 Cockerels left, hatched 19th of April. All choice. Many extra; will show in any company; pullets, 75c to \$2. Lot, \$19. Cockerels, 75c to \$3; \$13 for lot. E. F. KLOMAN, Warrenton, Va. 12-12

Single-combed White Leghorn Cockerels; Lakewood Farm strain, four months old. Price, \$1.50 each. EDWARD FISHER, Melvale, Baltimore Co., Md. 12-12

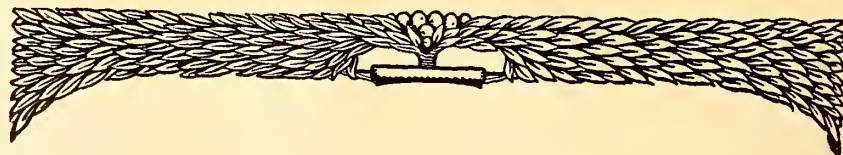
Single-combed White Leghorn Cockerels, Grand size, snow white, and good yellow legs, only \$1 each. TWILIGHT POULTRY YARDS, Hanover, Pa. 13-2

White Leghorn Yearling Hens, Wyckoff Strain, pullets and cockerels. Circular. CLOVERNOOK FRUIT FARM, Chambersburg, Pa. 12-12

R. C. Br. Leghorns (Kulp's Female Line), Pullets, yearling hens, and cockerels, \$1 each. Yearling cock bird, \$2. WM. GAFFEY, So. Worcester, N. Y. 13-2

S. C. White and Brown Leghorns, Trap-nested, selected, and systematically bred for 200 eggs; beautiful trios, \$5; spring stock. HILLSIDE YARDS, 101 15th St., Altoona, Pa. 13-2

White Leghorn Eggs for Hatching—Young's, Knapp, Wyckoff Strains. \$1 per setting; \$5 per 100. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4



## Water-fowls



HE unusually large displays of water-fowls at the fall fairs are an indication that the people throughout the country are paying more attention to growing water-fowls than ever before. While visiting a poultry plant recently, where an effort was made to produce broilers and poultry of all kinds, we were surprised to find that the production of poultry had been reduced to a minimum and the entire attention of the breeders had been centered in the production of geese.

Said the woman in charge (the place being conducted by two school teachers), "the growing of broilers and young fowls of all kinds has been conducted with such a great loss as to mortality of the young chicks that when we considered that only about one-half of the eggs have produced living chicks and that nearly one-half of these have died from one cause or another, only leaving us one living fowl to sell out of every five eggs that was supposed to incubate, we were led to consider the growing of water-fowls in place of poultry. While we are willing to admit that we have been more than usually unfortunate in poultry growing, at the present we believe that we have been more than fortunate in the handling of our geese.

"When we selected the business of growing geese and a few chicks for market we knew that the lowlands of our farm were quite well suited to the purpose, and that the geese must have almost unlimited freedom to do well. Our experience along these lines is as follows: Between 50 and 60 per cent. of all the eggs that have been laid by the geese have produced a living gosling, and we do not know that a single gosling of all we have hatched has died from any cause, except from accident. A few have been run over, and killed in this way, but not a single gosling has been lost from any disease or any other cause whatever. After the goslings are four or five days old we have given the mother goose and her young their freedom, and up to the coming of frost they have never been fed more than once a day, and the food given them has been a mixture of wheat bran, middlings, and some ground meal.

"Having succeeded equally well with duck-growing we have determined to give this our special attention for the coming year or two, and by carefully keeping the accounts, discover whether this can be made more profitable than poultry growing has ever been with us.

"We are told that our lands are not the best for growing poultry. Should they prove to be profitable for the production of water-fowls, we shall be content with the change, having decided to kill and dress for market during the latter part of November and the first of December all the stock that we will have for sale this winter. It will take but little housing to care for the breeding stock we will keep over for next year. No attention

whatever will be paid except to growing young ducks and geese for winter roasters. Broiler-ducks will not receive any attention from us. We shall endeavor to have our ducks, as well as the geese, hatch and raise their own young in the future."

The same experience is true of all who have made the attempt to raise ducks, geese, and water-fowl of any kind where the lands are especially adapted to this purpose. Wherever there are any low or waste marshy lands that can be used for grazing lands for geese, there is nothing else that can be grown so profitably. It is only necessary to have an open shed shelter on some hilly spot adjacent to these lowlands, where the geese can go in bad, stormy weather, or at nights, if they so desire. When the destructive rainstorms come, you will always find them moving to the uplands or to a shelter, if there is any. Many people do not understand that it is possible for both old and young geese to be drowned. Flocks of geese have been known to go into a pond that they could not get out of on account of the banks, swim around continually until their plumage would become so water-soaked that even some of the old ones would sink into the water and drown. Ducks usually seek shelter of some kind, either on the high lands or under a shed, at the approach of such heavy rains.

Ducks that have been grown and taught to care for themselves understand these conditions, and soon learn to shelter themselves. The Pekin ducks, which are nurtured and cared for almost artificially on plants where broiler ducks exclusively are grown, will not do so well at first when turned out to shift for themselves. The Rouen duck, the Cayuga, and the Indian Runner duck are more suited to caring for themselves than the unnaturally grown Pekin ducks. At the same time, after a year or two of caring for themselves, they naturally return to such conditions and do as well as the others.

In the selection of geese to be kept in this way either the Toulouse or the Embden may be selected. They are both hardy, thrifty, vigorous breeds, and grow to good, large size during the summer months. There are many other kinds that are used, but these are best suited to general farm-grown geese.

If you wish to have what are known as fancy table geese, a cross-mating of a wild Canada gander with either an African or a Toulouse, or an Embden goose, will produce fine quality of roasting geese. These will not do, however, to use as producers in the future. All produced in this way should be killed and used the first season, keeping out the mating of the Canada gander with any of the other geese, for when they are once well mated, they should never be separated, but kept for the special purpose of growing what are known as mongrel geese.

Crossing a Muscovy drake with Pekin ducks, or crossing a Colored Muscovy with a Rouen duck, produces large,

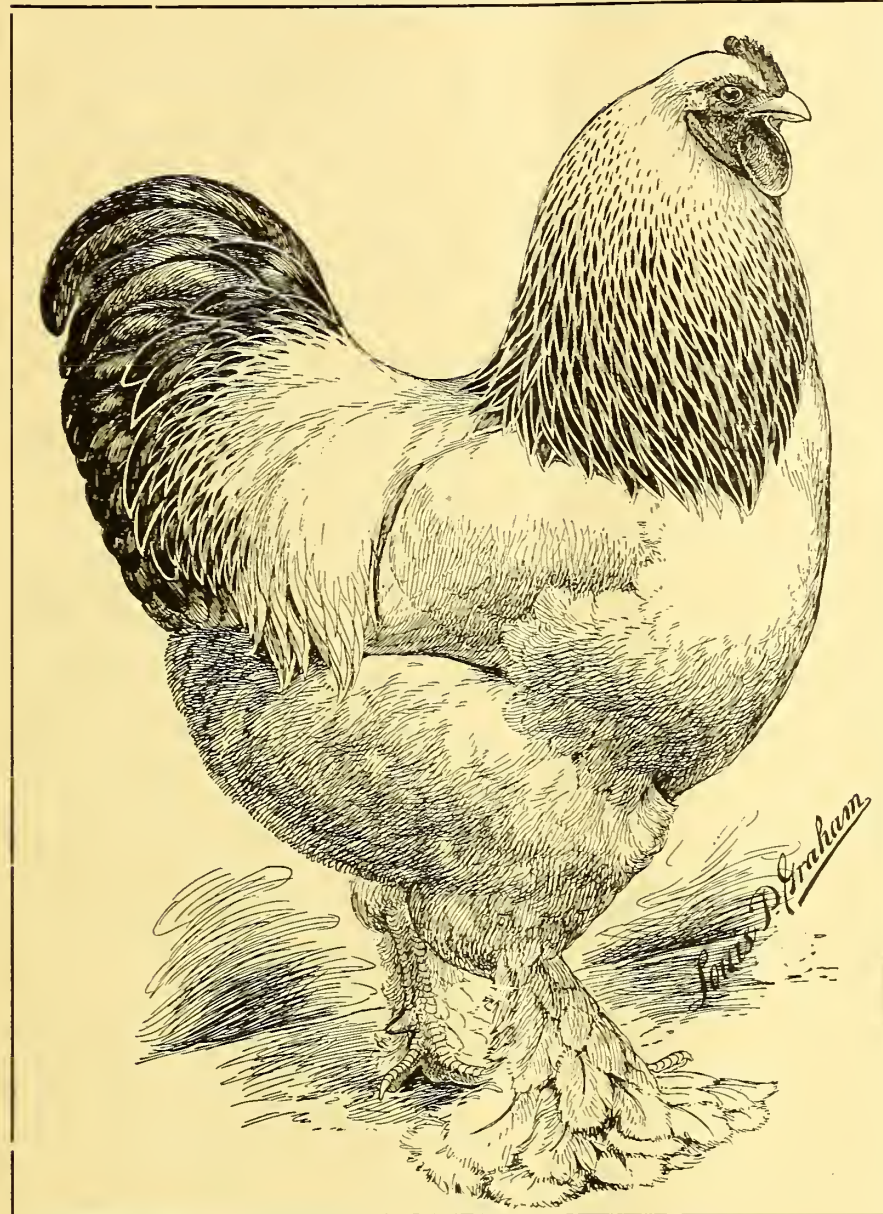


strong, healthy roasting ducks for winter purposes. The results of such a cross are highly flavored roasting ducks. In this case, also, it is undesirable ever to make use of the product of these crosses for producing or breeding ducks in the future. If you once have the White Muscovy drake mated with some Pekin ducks, or the dark Muscovy drake mated with some Rouen ducks, keep them mated for producing the mongrel ducks.

Wild geese, ducks, and even swans may be kept on a country place where there is plenty of water. Nothing could be better for the table than a tame, young swan, wild goose, or duck. When people are not fond of the flavor of the wild fowls that feed upon seeds and fish, these tame-

ble than the wild Canada geese, the Mallard, or Cayuga duck. While the latter have been domesticated, they are more of the nature of the wild duck than any of our domestic water-fowl. All of these may be had very readily at the present time and added to the stock upon the country place.

In addition to the pleasures that are apparent from keeping water-fowls, there is another means of income from them. This is gained by plucking the feathers from the live geese. In some localities, especially in the South, the geese are plucked as often as three times a year, in other localities never oftener than twice a year. The white geese are the best for this purpose.



LIGHT BRAHMA MALE

grown wild fowl are especially admired. Now that we have the closed season, it is especially desirable that all those who can do so, should grow these water-fowls on their home place. They can all be kept safely if pinioned. The pinioning of a wild fowl is quite a simple process. Any one may perform the operation after a very little experience, and when it is once done as it should be—when the water-fowls are quite young—there will be no danger of their flying away and being lost.

There are many kinds of wild geese and ducks about the lakes and ponds of a country place that can be made use of in this way. None of them are more desira-

The small feathers and the down from the Pekin, or other white ducks, are valued almost as highly as are the feathers from the geese themselves. The small down feathers from the duck are often used to imitate eider down, and there is also a process of shredding duck feathers somewhat after the same fashion as shredding or tearing up pieces of corn fodder to make it more easily handled as a food for stock during the winter months. Those who thoroughly understand the plucking of geese become very expert at the work, and when the feathers are ripe and ready to be plucked, it causes very little pain or injury to the geese.

Rose and Single-combed White, Buff, and Brown, Single-combed Black and Silver Duckwing Leghorns. Birds of quality. Circular free. SYLVESTER SHIRLEY, Port Clinton, Ohio. 13-4

Black Leghorns; Osborne's Strain Direct. Send for winnings. Madison Square, New York, Ontario. Stock and eggs from pure yellow-legged stock. BROCKVILLE POULTRY YARDS, Brockville, Ont., Canada. 13-6

## WYANDOTTES

White Wyandottes—Both "Useful and Beautiful," trap-nests; 15 years, 40 acres. Fine lot youngsters, cheap at once. Satisfaction guaranteed. Circular. F. H. WOOD, Cortland, N. Y. 13-1

Golden Wyandottes; Won 1st Cockerel, 2d Cock, 2d and 3d pullet at the great Washington, D. C. show; won 1st and 2d pullet, 2d cock, 2d and 3d cockerel, at Belair, Md., show. Eggs in season. Stock for sale. WM. H. EDELER, Belair, Md. 13-5

Columbian Wyandottes of the Best Prize Winning strains. Eggs from two yards. \$2 per 15; \$3.50 per 30. Fowls in season. ISAAC M. LANGWORTHY, Box 451 X, Alfred, N. Y. 13-6

America's Best Silver-penciled Wyandottes, Winners at Madison Square Garden and other shows. Birds and eggs. SUMMIT HILL POULTRY FARM, Box F, Tully, N. Y. 12-12

Hacker's White Wyandottes. Hens, Cockerels, pullets and cocks, \$2.50 to \$5. Eggs, exhibition matings, \$2 for 13. Every one used right. HENRY M. HACKER, Lynn, Mass. tf

Silver-laced Wyandottes Exclusively for Ten years. Becketts original mating. Few fine laced pullets, \$1.50 each; eggs, \$1.50 balance of season. D. LEWIS, Keyport, N. J. 13-6

1,200 Buff Rocks and White Wyandottes for Sale. Pure Duston and Nugget strains; line bred for seven years, for eggs and show points. ALLEN ECHRIST, Port Trevorton, Pa. 12-12

COLUMBIAN WYANDOTTE CO., Yoe, Pa., Offers for sale their foundation stock, winners at Daltown, Hanover, York, Litzitz; 600 youngsters, now growing for the early shows. 13-1

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High-class Line Bred Black Wyandottes, Exclusively birds for sale for show or breeding purposes. C. H. NESBITT, Riverhead, N. Y. 13-1

Columbian Wyandottes, Richardson Strain. Great layers. Choice cockerels at reasonable prices. Bred from prize stock. Write your wants to FRANK VAN WAGNER, Salt Point, N. Y. 13-1

Peerless Partridge Wyandottes. At Seven Shows last winter we entered 52 birds, winning 28 first, 15 second, 14 cup and cash specials. We offer 200 youngsters, bred from these winners, that win anywhere. Prices reasonable. ENTERPRISE POULTRY FARM, Yoe, Pa. 13-5

Buff Wyandottes—Prize Winners. Six Cocks, twenty hens, some solid buff, \$2 to \$10 each; can win in fast company. J. E. WILLMARTH, Amityville, N. Y. 13-4

Silver-laced Wyandottes, Winners at Trenton, Vineland, York, Litzitz, and Philadelphia. I can supply you with good stock, either breeders or show birds, from \$2 and up. T. K. McDOWELL, Oakford, Bucks Co., Pa. 13-5

Elmer Gimlin, Taylorsville, Ill. White Wyandotte specialist. Exclusive business. Duston strain direct. Stock and eggs at all seasons. Immediate and satisfactory service. Catalogue. Please write. 12-12

White Wyandottes—We Have a Splendid Lot of yearlings and young stock, bred from our prize winners, and can furnish just what you want at moderate prices. Our birds are pure white and vigorous. CRYSTAL POULTRY FARM, Route 1, Washington, N. J. tf

Prize-winning Buff Wyandottes. Stock and Eggs for sale. Winners wherever shown. Send for prices. THEODORE HEWKE, Middletown, N. Y. 13-2

For Sale—A Few Choice Columbian Wyandotte yearling hens. JOHN F. LONG, Berwick, Pa. 12-12

Columbian Wyandottes, Brayton Strain. February and March batched, ready for early shows. S. L. JENKS, Ithaca, N. Y. 12-12

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Mapleside Strain White Wyandottes.—My First prize hen at Madison Square Garden, '06, was acknowledged the best female ever shown in the Garden. State what you want and let me quote on top notch show birds or breeders, either sex. Booklet. CHAS. NIXON, Box 32, Washington, N. J. tf

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If You Want the Best, Try the Royal Strain White Wyandottes; bred for business; stock and eggs for sale. GOLDEN RULE POULTRY FARM, J. W. Knight, Prop., Magruder, Va. 13-2

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Golden Wyandottes—First Cock at Boston, 1906, first and third cockerel, Boston, 1907. Cockerels for sale, \$5 each. D. P. CHASE, Andover, Mass. 13-4

Whites of Stay White Wyandottes. Great Egg-producers. Eggs, 75 per cent. fertile. Satisfaction positively guaranteed; 15. \$1; 100, \$5. W. E. SHOEMAKER, Laceyville, Pa. tf

Silver-laced Wyandottes The Kind That Won four ribbons at Boston this year. Eggs, \$2 per 13. H. F. CHASE, Andover, Mass. 13-4

Bargains in Buff Wyandottes. Six Yearling extra fine hens and a first premium cock, \$7. Young Stock, trios, \$2. S. S. Hamburgs, same price. GRAND VIEW POULTRY YARDS, Springvale, Pa. 12-12

Silver-penciled Wyandottes of the Highest Quality. Winner at Providence, Boston, Brockton, Lynn, etc., all last season. Breeders for sale; also young stock. J. E. MORSE, Taunton, Mass. 13-2

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For Sale.—15 Fine Rose-combed Black Minorca hens and fine cock; \$15 takes the lot. FRANK B. REID, Cumberland, Md. 13-1

Neiman's Rose-combed Black Minorcas Always win wherever shown. Prize winners and five youngsters for sale. Satisfaction guaranteed. B. F. NEIMAN, Fishers Switch, Ind. 13-2

Black Minorcas! Rose-combed and Single-combed; large, vigorous, Standard-bred; mammoth egg producers. Prize winners every time. Circular tells the story. It's free. I will give The Feather free for one year to each purchaser of my stock of eggs in 1907, if you mention The Feather when ordering it. ED CROUCH, Twinning, D. C. tf

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I Have a Lot of Rich, Red, Even-colored Youngsters, growing single comb, from my Cleveland winners. Sold on approval. IRA M. CROWTHER, "F," Willoughby, Ohio. 13-5

Choice Exhibition Cockerels and Pullets, in S. C. Rhode Island Reds, S. C. White Leghorns, and White Wyandottes. A few yearlings for sale, and a "square deal" every time. O. L. BARBER, Canton, N. Y. 13-5

Shove Will Sell a Few of His Best Breeders of Rhode I. Reds, Hondans and Pekin Ducks, at very low prices, to make room for his young stock. Send for prices. D. P. SHOVE, Fall River, Mass. tf

R. C. Rhode Island Eggs for Hatching, \$1 per setting, \$5 per 100. Turtles and other good strains. GEORGE HOWARD, JR., South Bound Brook, N. J. 13-4

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Have a Few Black Red Game Bants. J. HART WELCH, Douglaston, Long Island, N. Y. 13-4

Geo. W. Hillson's Light Brahma Bantams, Winners, 1st, 2d, 3d cock, 1st, 2d, 3d hens, St. Louis World's Fair, 1904. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Geo. W. Hillson's Light Brahma Bantams, Winners 1st prize breeding pen, New York, 1906. Also 1st special cock, 1st special hen, New York, 1907. Eggs, \$3 per setting. Circular free. GEO. W. HILLSON, Amenia, N. Y. 13-5

Buff and Black Cochins Bantams; Winners at New York, Stamford, and White Plains; 1st cock, 1st hen, 1st cockerel, 1st pullet—Madison Square Garden on four entries in Blacks. These birds and others just as good in my yards. A few birds of blue ribbon quality to spare. JAMES B. N. FITCH, Mt. Vernon, N. Y. 13-6

Gold and Silver Sebright, Buff, and Black Cochins Bantams. The kind that wins. 700 birds for sale. Circular. CLYDE PROPER, Schoharie, N. Y. 13-10

Black, Buff, White, and Partridge Cochins Bantams, and Black-tailed Japanese Bantams for sale. WALTER A. SCHAFER, Mt. Pulaski, Ill. 13-1

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Jones, "The Java Man," Suffield, Conn.—Mottled Javas, Black Javas; the best there is in the United States. Am breeding from two 10½ pound cockerels. Eggs that will hatch, \$3 per 15; packed to go any distance. I am the originator of Rose-combed Rhode Island Red Bantams, Little Beauties; Rhode Island Reds every way with bantam size. Have bred them six years. Eggs, \$5 per 10. Circular free. tf

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For the Best Orpingtons, Any of the Ten Varieties, you must send to their originators. Catalogue free. WM. COOK & SONS, Box 17, Scotch Plains, N. J. tf

Order Your Stock and Eggs from the Orpington Farm; originators, breeders, and exhibitors of White's Strain of Single-combed Buff, Black, and White Orpingtons; no better blood in the world; every sale guaranteed or money refunded; reference, any known man in our city. Write to-day for my new catalogue and mating list. Eggs, \$3 per 15. Stock, \$2 each and up. JAMES B. WHITE, Pres., Fort Wayne, Ind. 13-6

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East View Poultry Yards, Box D., Ballston Spa, N. Y., offer prize-winning and choice breeding Light Brahmas at reduced prices. Also young stock for sale. 13-3

Light Brahmas, Light Brahma Bantams, Silver Cup, best display at Schenectady; Silver Cup at Johnstown; arnchair, Albany; Brahma Club Ribbons, Frankford; Specials, Ballston Spa. Send for catalogue. F. E. HOYT, 18 Park Place, Ballston Spa, N. Y. 13-4

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Blue Andalusians, Bred from First-prize Winners, St. Louis Exposition, 1904. Madison Square Garden, 1905. Perfection in appearance. Cockerels, \$2.50 up. V. H. COUNCILL, Warrenton, Va. 13-2

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Partridge Cochins, Unexcelled General-purpose fowl. Young stock for sale; prize strain; bred to lay. Buy breeders now. RIVERSIDE FARM, W. F. Allen, Milan, Mich. 13-2

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Thoroughbred Black Langshans. Hundreds of them for sale. Eggs reduced to \$1 per 20. Write your wants to THE ROSE LAWN POULTRY FARM, Auburn, Ind. 12-12

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Lakenvelders, the Most Beautiful Fowl in the world. A few choice cockerels and pullets of the very best strain for sale at from \$5 to \$10 each. RALPH C. GREENE, Sayville, L. I., N. Y. tf

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Buff-laced and White-crested Black Polish, Winners of silver cup, Detroit, 1907. Old and young stock for sale. No eggs. VAN DAVIS, Detroit, Mich. 13-3

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White-faced Black Spanish for 1907; Largest layers; largest eggs. Stock, \$2 to \$10; eggs, 15, \$1.25; 30, \$2. Circular. H. E. CHACE, Troy, Pa. 13-3

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Houdans—Stock for Sale from Chicago and Minneapolis winners. Illustrated circular. H. M. SPARBOE, Webster City, Iowa. 13-2

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Buckeyes—My Ideal "General-purpose Fowl." Cocks, \$1 to \$100. Young stock cheap; trios, \$3, \$5. Order now. W. G. JUDSON, Meshoppen, Pa. R. 2. 13-2

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American Dominique Cockerels of Purest Blood for sale. Also, Silver-penciled and Columbian Wyandotte and Light Brahma Bantam hens. DR. HARWOOD, Chasm Falls, N. Y. 13-2

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Two Hundred Genuine Wild Turkeys. All Varieties, including Mexican. One pen headed by largest wild tom in existence. R. L. BLANTON, Route 1, Farnville, Va. 12-12

Anxious to Raise Turkeys? Why Not Try Wild Stock? Eggs: from pure wild stock, \$10 dozen; half-wild, \$5.50 dozen. BERTHA M. TYSON, Rising Sun, Md. 13-2

## DUCKS

Pekin Duck Eggs from Fine, Large, Healthy stock, \$1.50 per dozen. White Muscovy stock for sale. BERTHA M. TYSON, Rising Sun, Md. 13-4

Reduction Sale of Rouen Ducks—World's Best strain. Prices reasonable; absolute satisfaction guaranteed. Circulars free. Write F. D. FOWLER, Box A, Carlinville, Ill. 13-8

Eggs from Thoroughbred Mammoth Imperial Pekin Ducks, \$1.50 per 11. Choice large drakes to improve your flock, \$2.25; Ducks, \$2; pair, \$4. DR. IRA C. TYNDALL, Berlin, Md. 13-6

Indian Runner and Rouen Ducks, Winners at New York and Boston. Eggs and stock for sale. Circular free. WHITE BIRCH POULTRY FARM, Box O, Bridgewater, Mass. 13-4

100 Wild Mallard Ducks, Dark, Handsome Green head, and snow-white young birds, \$4 per pair. RIVER VIEW FARM, F. B. Penton, Beloit, Wis. 13-2

Rouen Ducks for Sale—Can Furnish Any Size wanted. Young, or large enough for showing. Prices reasonable. Satisfaction guaranteed. ELMER L. DUTERA, Littlestown, Pa. 12-12

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English Pheasants, Full Grown, Covert or Pen bred, \$4 per pair. October delivery. White Swans, pair, \$23. Other game and ornamental birds at very low prices. Jack Rabbits, each, \$2.50; discount on quantity. Write for what you want. DENLEY, Naturalist, New York City, N.Y.

Pheasants—Wood and Mandarin Ducks, Peafowl, Pheasant, Fancy Waterfowl books and color-plates. Gensing, Golden Seal. N. B. CURSTEAD, Oliphant Furnace, Pa. 13-1

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## Single-combed Black Minorcas and the New Standard Weight



NUMBER of articles from the pens of breeders for whom I have the greatest respect, but with whom I am obliged to differ, have appeared in the journals from time to time, setting forth the incorrect idea that the new standard weights have been detrimental to the best interests of Single-combed Black Minorcas, and that many of the best qualities of this breed have been sacrificed by trying to breed to the higher standard weights. Many leading Minorca breeders have seen the fallacy of this theory, and have urged me to write my views on the subject for publication. But the growing popularity of Black Minorcas has kept me so busy meeting its demands that I have not been able for months to keep pace with my daily correspondence, to say nothing of writing for the journals, and I am sure the same has been the case with many other Minorca breeders who would like to express their opinions on this subject.

From careful reading of the articles mentioned I am convinced that the writers are laboring under a mistaken idea of the import of the Standard on this point, as well as its practical application. Because the standard weight has been raised one pound per bird, they seem to think that it encourages breeding larger Black Minorcas than we have been accustomed to do, while in reality the reverse of this is true. The old Standard, by which the lower schedule of weights was in force, said: "All other requirements being equal, the largest bird must be given the preference," thus advocating unlimited size. The best Black Minorcas, as we have found them in the show-room, since before they were admitted to the American Standard, in 1888, have averaged from one to two pounds heavier than the old Standard requirements. The object of raising the standard weight was to make it nearer to the actual average weight of the birds as seen on exhibition. This was the more necessary because the policy of the general instructions in the new Standard was to confine breeders nearer to fixed weights to the end that nearer uniform size in the same variety might prevail. The new Standard says: "All other points being equal, the bird nearest standard weight shall be awarded the prize," and makes it the more emphatic for large birds in another place as follows: "If both specimens are over-weight, yet have an equal score, the one nearest standard weight shall be awarded the prize." Hence, the new standard weight for Black Minorca cock being nine pounds, a cock weighing eight and one-quarter pounds wins over a ten-pound cock, all other points being equal, while according to the old standard a ten-pound cock could win over all cocks of equal scores, weighing less than himself down to eight pounds. Nearly all the best Black Minorcas which we see on exhibition would lose for over-weight according to this if the standard weights were changed back to the old weights, besides we would be going

farther away from the size of the first Minorcas which were imported to America, notwithstanding all that has been written to the contrary. An article written by Mr. Henry Hales, Ridgewood, N. J., has been published in the American Black Minorca Club's catalogue, in which he says that in looking over the Black Minorca exhibits from year to year, especially at New York and Boston this year, he does not see that the largest are any larger than the Black Minorcas which he kept in the early seventies. Twenty-one years ago I imported twenty birds, all of which were up to the standard weights of the present time. These birds were prize winners, and were bred by Mr. John Hopkins, Bridgewater, England, who was then the most successful Black Minorca fancier in Europe. One cock in this lot, Hopkin's Champion, weighed ten pounds, and had won more honors in England than any other Minorca of his time, including two silver cups and two special prizes of Crystal Palace. Those same large imported birds laid as large and as white eggs as have ever been seen, and their progeny to-day are fully equaling them in all respects.

Recently it is getting to be a stereotyped phrase that large Minorcas are awkward and clumsy, but this is far from being proven by their actual appearance. On the other hand some of the smallest Black Minorcas we see are both awkward and clumsy. Almost invariably the smaller birds are those which are farthest away from the correct Minorca type. They generally carry high tails and have short backs and stubbed legs. Another noticeable fact is that Minorcas to-day are more popular than ever before in their existence and that they have made their greatest gain since the new standard weights were adopted. This was to be expected because the new weights were nearer to the majority of Minorcas as we find them in the show-rooms throughout America.

Now, American Minorcas have great prestige in all foreign countries, while only a few years ago England enjoyed nearly all of the foreign trade, and it seems to me that it would be folly for us to take the risk of losing what we have gained by taking a step backward.

With standard weights as they now are and birds bred to them, we have proven over and over again that Minorcas are the greatest layers of large white eggs, and indisputably the largest non-sitting fowls.

Minorcas stand now in a class by themselves, but to lower their standard weights, and breed them accordingly, we drop them at once into competition with all the Leghorns, and rob Minorcas of one distinctive quality which is making them popular now, besides we would be encroaching on the rights of Leghorn breeders. For Leghorns have a place distinctively their own which they are admirably fitted to fill, viz., to please a class of people who admire their sprightly appearance and graceful curves, and appreciate their laying qualities, while the Black Minorcas delight us with a much larger, well-proportioned body, showing an



equally beautiful contour, made up of straight lines and graceful slopes, and satisfy our ambition to produce the largest number and largest size of eggs possible, both in summer and winter.

Another evidence of the growing popularity of Single-combed Black Minorcas is that the American Black Minorca Club has more than doubled in membership in the past year, and present indications are that it will double again soon.

All that can be said in favor of lowering the standard weights of Minorcas is that it will permit smaller birds to win the prizes and cause the Minorca classes in our shows to diminish in numbers of

birds by shutting out many of the fine large birds which it is the delight of the true Minorca fancier to breed.

When the position is correctly understood by Minorca breeders I am sure they will not desire to have the standard weights reduced, and were I to predict the future of Black Minorcas, judging by the past and the present, I would say that their prospect for increasing in popular favor were never so good as now, and I have perfect confidence that they are not in danger of injurious breeding at the hands of true fanciers under the present standard.—George H. Northrup, Sec.-Treas., American Black Minorca Club.

## Nettles for Chickens

Feathered Life, England, offers each week a small prize for the best paragraph submitted to them for publication. In a recent issue of the same appeared an article entitled "Nettles for Chickens." This paragraph won the prize in that issue. We publish same for the benefit of our readers. Nettles, as we understand them, are a green plant, grown by some people in their gardens, and used much the same as Swiss Chard that is grown in this country.

"It is a pity this valuable herb is so overlooked in the greater part of the given poultry menus of to-day. Stinging nettles, it is well known, contain valuable properties which tend to enrich and purify the blood, to say nothing of the formic acid, which is a great strengthener, and gives vigor to the young stock. From the first week of chickenhood I feed every day a good nettle mash, with the result that stronger and healthier chickens would be hard to find—the cockerels reddening up and crowing at two-and-a-half months old. Given once a day to fattening chicks, they are splendid, too, keeping the blood cool and in a healthy condition. Last, but not least, give the laying hens boiled nettles. They give a delicate flavor to the eggs, and the yolks will be of a rich color. I may add, the proper way to prepare nettles is to boil stems and all (you will find the chicks like the chopped stems best of all), drain thoroughly, preserving the liquid, which may be mixed, instead of water, with the next morning's mash. Chop fine or medium, according to the age of the chicks, and add a handful at a time of sharps and barley-meal (or fine-ground oats if preferred) until it becomes an appetizing mess of a crumbly consistency. A well-mixed mash should, when scattered on the grass, break up into convenient crumbs for the birds to swallow."—Lucille Radcliffe, St. Briavels, Glos.

In the same paper was published the following articles on gapes in chickens, and the dire some pest, the red mite:

### GAPES IN CHICKENS

"What is true of all diseases is true of gapes. It is better to prevent it if possible, and then there will be no need to cure it. When the cause of gapes is known, and also the means by which it is likely to be spread, it becomes easy to take measures for prevention. The most important measure of all is to keep the houses, yards, troughs, and everything connected with the poultry-yard strictly clean. It is probable that the drinking water is the medium through which the gapeworm most often comes, and, therefore, the greatest care must be taken to

keep the fountains clean, especially during warm weather, when conditions are especially favorable to the propagation of the gapeworm. The water supplied should be pure and fresh. It is strongly advised that house, floors, perches, coops, and hatching-boxes should be thoroughly cleansed with boiling water, and then limewashed; that foods should never be thrown on the ground; that access to polluted water should be prevented; that the rearing ground should be disinfected during the winter season if it is to be used the following year; and that the bodies of all chickens that die of gapes should be burned. It is also advisable that affected chickens should be removed from the healthy birds as soon as the symptoms of gapes can be observed; but this is hardly practicable where chickens are reared by hens alone, as chicks of tender age, if removed from their mother, would not survive for want of care and brooding. Where incubators and brooders are used, there is, however, no difficulty, as one of the brooders can be temporarily turned into a hospital for the affected chicks."—H. De Courcy, in Farmers' Gazette.

### THE PEST OF RED MITE

"Now that the summer season is upon us great care should be exercised to keep down the pest of red mite. These parasites, when once they get a firm hold in the poultry-yard, are very difficult to get rid of, and if not eradicated are a source of great inconvenience and loss. Being of a prolific class, they soon congregate in large numbers, and during the day are to be found under the sockets of the perches, and in any small crevices. When night closes in, and the birds have retired to roost, they leave their haunts, creep along the perches, and attack the fowls—not single handed, but in battalions. Besides drawing a large amount of blood from the fowls, they irritate them, and cause loss of vitality owing to the restless nights spent by the fowls, which must eventually tell on the egg-basket. Many attempts have been made to eradicate this pest, the best being to periodically paint the perches and crevices with creosote oil, which may be obtained at any tar distiller's yard. About noon is the best time to paint them, when the heat of the day is strong; close all doors and ventilators. This causes the fumes to penetrate into all cracks and crevices in the building. The doors may be opened again about one hour before roosting time, to allow the fumes to subside. Another method is to paint with crude paraffin oil, but this does not answer quite so well as creosote."—A. Chippindale.

### ORNAMENTAL

Fancy Pheasants: Ring-necked, Golden, Silver, White, Reeves, Amherst, Versicolor, Elliot, Soemmering, Impeyan, Peacock, Argus, Melanotus, Satyr, Tragopans, Prince Wales, and others. Swans: White, Black, Black-necked, and Bewick. Fancy Geese, Ducks, and Pigeons, Peafowl, Flamingoes, Cranes, Storks. Game Birds: Quail, Partridges, Black Game, and Capercaillies. Write for price list. WENZ & MACKENSEN, Yardley, Pa. Agents for Julius Mohr, Jr., Ulm, Germany, exporter of Ornamental Land and Waterfowl, live game, and all kinds of wild animals. 13-3

### FANCY PIGEONS

For Sale—Magpies. Pigeons in All Colors. Show birds from \$5 per pair and up. Good stock birds for \$3 per pair. WM. EHINGER, 1327 N. 4th St., Philadelphia, Pa. 12-12

Carneau, Maltese Hens, Pigeons, etc., Are money-makers. Lined colored bands for mating purposes. Write for advice and circulars. ERNEST L. WINSLOW, Greenwood, R. I. 13-1

Pigeons For Sale—English Dragoon, all Colors; White Homers, Arkangles and several other fancy colors. Homers in large or small lots for squab producers, all very cheap. N. J. COLE, 49 North Clinton St., Poughkeepsie, N. Y. 13-1

White Dragons Exclusively. I Breed Stock birds only, from strong, healthy, imported birds. Guaranteed to please, or may be returned. Write for prices. WHITE DRAGON LOFT, Neff's, Pa. 13-3

60 Performing Tumblers, 10 pairs Black Fantails; also a number of Parlor Tumblers and Dragons. No fancy prices. WM. DOMMER, Green Island, N. Y. 13-1

Selling Out in Fancy Pigeons, Turbits, and Homers, \$1, \$1.50, and \$2 a pair. Colors in Turbits are Blue, Black, and Red Wing; Homers are all White. GRAND VIEW POULTRY YARDS, Springvale, Pa. 13-1

Pigeons! Thousands! Homers, Runts, Dutchess, Burmese Hen, Polish, Lynx, Carriers, Dragons, Pouters, Pigmies, Fantails, Jacobins, Owls, Turbits, Blondinettes, Swallows, Magpies, Helms, Archangels, Tumblers of all kinds. Prices free. Illustrated descriptive book, telling all you want to know, one dime. WM. A. BARTLETT & CO., Box 3, Jacksonville, Ill. 13-1

200 Pair Mated White Homers.—Show Birds, Good breeders, \$2 a pair. Imported English Carriers and Dragons, all colors, from \$1 to \$25 a pair. EUGENE STODDARD, Oriole Pigeon Lofts, Hagerstown, Md. 12-12

### HOMING PIGEONS

Important and Valuable Information That Every one Interested in pigeons should have, mailed free. Send postal to-day. HOWARD BUTCHER, Box 21, New Britain, Bucks, Co., Pa. 13-7

For Sale—White Homers, Pure Bred Stock, mated; per pair, \$2 up to \$6; also young birds for \$1.25 per pair. Address WEBSTER G. YODER, Boyertown, Pa. 12-12

Homing Pigeons. Breeding Stock and Squabs for sale at all seasons of the year. Also Great Dane dogs for sale. Address C. B. KROGMANN, Jr., 2002 Fourth Street N. E., Washington, D. C. 12-12

Mandalay Squab Co. Will Supply You With bright, snappy, rapidly breeding, blue or red Rock Homers, at \$2 per pair. Address MANDALAY SQUAB CO., Buffalo, N. Y. 12-12

Jumbo Homers. Guaranteed Mated, Working pairs, at reduced price of \$1.50 pair. For photo of this stock, write. Mention Feather. E. M. POULSON, Box 55, Westminster, N. J. 12-12

100 Working Pairs Homer and White Duchess for fancy squabs, a few Dragons and White Homers; also crosses; prices reasonable. M. E. RIDGELY, Benson, Md. 13-3

Now Is Your Time to Buy First-class Birds cheap. I am closing out my entire loft of forty pair of choice squab breeding homers. They are large and very prolific; \$40 takes the lot. Don't miss this opportunity. Also three pair Giant Runts, \$5 per pair. The three pair, \$12. Also four pair White Dragoon, \$4 per pair. S. F. TEN EYCK, Hurley, Ulster Co., N. Y. 13-4

Youngsters from Large Prolific Homers. Price, \$1 per pair. Start with these and you are sure of good stock. MELVALE PIGEON FARM, Melvale, Md. 13-1

Twenty Racing Homing Pigeons for Sale or Exchange for early hatch pullets, any strain. FRANK MISNER, 69 Burwell Street, Little Falls, N. Y. 12-12

300 Pairs of White Homers. Choice Breeding stock; mated, banded, and tested, for sale, at \$1.50 pair. Address all communications to HUNTERDON CO. LOFTS, Kingwood, N. J., P. S. Emmons, Manager. 13-2

Special Summer Sale—Rare Chance to Start in squab business. Choice pure-bred Homers—good breeders. Price, until November, \$1.50 per pair. Guaranteed birds. F. ROCKWELL, Dept. B., Dwight, Kansas. 13-2

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### EGGS

Eggs for Hatching. Rose-combed Black Minorcas; always lay but never set; if you want eggs keep this strain; \$2.50 for 13. Address MISS BERTHA E. LEWIS, Volantown, Conn. 13-5

Eggs for Hatching from Heavy Laying Single-combed White Leghorns and White Wyandottes. Also Buff Pekin Bantams and White Guineas. Four pair Peafowls for sale. THE IDEAL EGG FARM, Waterport, Orleans Co., New York. 13-5

### FERRETS

5,000 Ferrets. Buy Direct from the Breeder. I can save you money. Just the size to carry in your pocket to hunt rabbits. Sure death to rats. Send stamp for large illustrated book and prices. LEVI FARNSWORTH, New London, Ohio. 13-3

Send 10c for Catalogue and the Greatest Book published in the U. S. on the ferret and work done by dogs and ferrets. Government engagements fully illustrated. E. L. BARCLAY, the Ferret Man, Washington, D. C. 12-12

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Scotch Collie Pups, Females, \$6; Males, \$8. Also bitches open or in whelp by sons of England's famous winning sires. EDGEVALE KENNELS CO., Wadena, Minn. 12-12

For Sale.—Beagles and Fox Hounds, Thoroughly broken. Will be as represented and shipped on trial. Price will be right. WILLIAM T. DOUGLASS, Dallastown, Pa. 13-1

Red Irish Setter Pups, by J. H. KUEHLING'S "Dick," \$5 each. C. E. GIBBS, Mt. Vernon, Va. 13-1

Beagles! Beagles! Cheap. Broken dogs, \$10; bitches, \$8; "Trial." Puppies, male, \$5; female, \$3.50. Also Silver Sebright Bantams, cheap. RELIABLE BEAGLE KENNELS, Seven Valleys, Pa. 13-1

Scotch Collie Puppies from Registered and Imported stock, \$5 and up. Stamp for photographs and pedigrees. CLOVERHOOK FRUIT FARM KENNELS, Chambersburg, Pa. 12-12

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Will Exchange Pen Barred Plymouth Rocks, Pure "Ringlet" strain, for well bred Buff Orpingtons. Satisfaction guaranteed. Write at once. A. J. CHEEK, Henderson, N. C. 12-12

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"Plymouth Rocks," by T. F. McGrew, Contains six colored plates of the three varieties of Plymouth Rocks, and other illustrations in black and white. The book has been carefully prepared, and as it is issued for the benefit of breeders of this variety of fowls, it should prove of considerable value to all interested in them. Prices: Paper, 50 cents; cloth, \$1. Address GEO. E. HOWARD, 714 Twelfth Street N. W., Washington, D. C.

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How to Grow Chicks. Another Problem to the poultrymen is that of growing young chicks. In this little volume just out, by T. F. McGrew, this subject is carefully treated, the troubles to overcome, the proper housing, proper food, and manner of feeding, etc., being fully considered. There are a number of very good illustrations in this little volume. Prices: Paper, 25 cents; cloth, 50 cents. Address GEO. E. HOWARD, 714 Twelfth Street N. W., Washington, D. C.

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Black Langshan Cockerels, Trios, and Pens; S. C. Rhode Island Red Cockerels; White Wyandottes; closing out sale. Prices right. ROSE LAWN POULTRY FARM, Auburn, Indiana. 12-12

Imperial White Wyandottes Will Make Winners for you. Before buying write and get our new way of selling stock. IMPERIAL POULTRY YARDS, Shrewsbury, Pa. 13-1

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Poultry Raisers—Send for Free Booklet, Giving fifteen good common-sense reasons why you should feed your poultry from a Roger's Automatic Exerciser and Feeder. A very useful Combination Pocket Tool included, for two 2-cent stamps. Take the agency for your town or county; there's good pay in it. G. P. COATES CO., Norwich, Conn. 13-2

Ornithology's Wonder—German Bare Necks. I have them. Joy of the fancier, and the farmer's friend. Chicks at \$1.25 each. Also B. Orpington, B. Leghorns, Fishel's Rocks, C. I. Games, at same price. Hens, choice, selected, at \$1.50 to \$2, while they last. M. H. WINEBRENER, Walkersville, Md. 12-12

Snow-white Cochins Bantams for Sale at Bargain. Also Leghorns, Minorcas, and Anconas; hens, pullets, and cockerels in any quantity. CLARENCE SHENK, Luray, Va. 13-2

For Sale—Some Fine Stock. Andalusians, Red Caps, Anconas, Games, Plymouth Rocks, Buff and Brown Leghorns. Satisfaction guaranteed. Write for wants. L. H. McCONNELL, Arnot, Pa. 13-2

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Special Sale—For Immediate Acceptance, Offer one hundred Barred Rocks, (pure "Ringlet" strain), \$1 each. Am overstocked. Satisfaction guaranteed. A. J. CHEEK, Henderson, N. C. 12-12



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## Business World

Until within a few years every kind of roofing has been of a nature that it had to be painted just as regularly as the wooden side walls of a house or barn; in fact, painting was required much oftener than on the side walls because of the greater exposure of the roofs.

The necessity for frequent painting has been the greatest objection to these roofings, and we are glad to note that manufacturers have realized this fact and that the mineral surface is coming rapidly into vogue. The mineral surface, such as is used on Amate, advertised elsewhere in our columns, makes painting or coating of any kind entirely unnecessary, and, in fact, impossible.

When an Amate roofing is laid, it needs no further attention for many years.

Any reader of this paper can obtain a free sample, showing the mineral surface, by writing to the manufacturers at their nearest office. Address the Barrett Manufacturing Company, New York, Chicago, Cleveland, Allegheny, Kansas City, St. Louis, Minneapolis, Philadelphia, New Orleans, Cincinnati.

The recent Bulletin of the United States Department of Agriculture shows what enormous losses are sustained each year through the depredations of rats. The average poultry raiser is no doubt familiar with this from actual experience. He very likely also appreciates the difficulty of getting rid of these troublesome pests. The usual methods used for their extermination are unsatisfactory to poultry raisers, as they have to be placed where they are not alone dangerous to rodents, but poultry as well.

On this account our readers should thoroughly investigate the Rat Virus advertised by the Pasteur Vaccine Co., on page 28. Their Rat Virus is harmless to poultry and domestic animals, although it is an efficient and reliable rodent exterminator. They will be pleased to send you full particulars and copies of reports that they are receiving from their satisfied customers. Write them, mentioning this paper.

There has been a new lice powder discovered during the year 1907 that is a marvel of perfection, writes the C. E. Conkey Co., of Cleveland, Ohio, about their new lice powder. They have issued a beautiful little booklet telling how to rid all kinds of poultry, old and young, of insect vermin. It will be worth your while to write to them for one of these little booklets, and ask them about their new lice powder.

DR. BELL A SUCCESS

We have received a copy of the Free Press News Bulletin, of Winnipeg, under date of July 17, which reports a record day at the Winnipeg Fair, forty-eight thousand having entered the grounds. All of our readers are well acquainted with Doctor Bell, formerly of Toronto, who has gone to Winnipeg to lend his aid to building up the great exhibition interests

of Winnipeg. The live-stock display was a wonderful success, poultry having a well-recognized position. We are glad that the doctor has been so successful in his efforts to make the exposition at Winnipeg a great event among the farming interests of Manitoba.

## Catalogues, Booklets, etc., Received

The Ohio Pheasantry, Columbiana, Ohio, booklet and price-list.  
Clyde H. Proper, Schoharie, N. Y., announcement.  
Geo. H. Northrup, Raceville, N. Y., catalogue.  
Am. White Orpington Club, F. S. Bullington, secretary, Richmond, Va., circular.  
Imperial Poultry Yards, L. B. 9, Shrewsbury, Pa., circular.  
Locust Poultry Farm, Canton, Pa., catalogue and price-list.  
J. O. Pettey, Belvidere, Ill., circular.

## Friendly Comment

"Enclosed find remittance for three years' subscription to The Feather. Of course I could not get along without The Feather." J. S. Wolfe.

"Have had very good business this year, and think my advertisement in The Feather has paid me well." J. W. Andrews.

"Enclosed find M. O. for 75 cents, for which please send me one copy of Diseases of Poultry, by D. E. Salmon, also one copy of How to Grow Chicks, by T. F. McGrew. The Feather far surpasses all other poultry journals, in my judgment." W. E. Barksdale.

"I received a sample copy and think The Feather a fine paper, reliable, and full of good poultry notes. I enclose my subscription to your paper and the Reliable Poultry Journal." Roy Shear.

"Enclosed find money order to pay for inserting the enclosed ad in The Feather for June, July, and August, in place of the one now running. I believe in continuous advertising, and expect to stay with you as long as The Feather pays me." Fred C. Lisk.

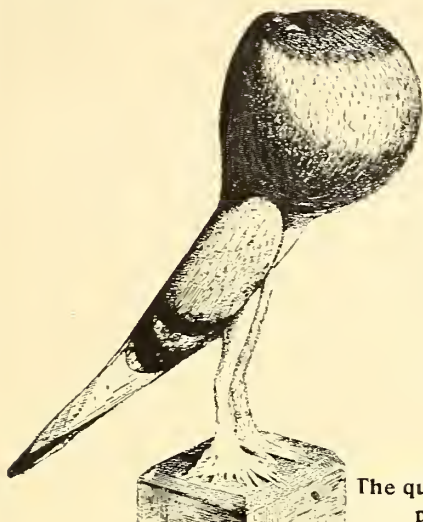
"Enclosed find my renewal for three years. The Feather is one of the very finest poultry magazines published, and my desk would seem strange without it." W. S. Templeton.

"After reading The Feather for three years it gives me pleasure to say that it is with no exception the farthest advanced poultry journal that I have ever seen. I certainly have enjoyed 'Science of Breeding,' and hope it and other deep articles will continue to appear." Miss Nellie Cheaney.

"Sample copy of The Feather was received some time ago. It looks good to me. The best poultry paper I have seen, to my notion. I take several poultry papers, but give me The Feather." G. F. Laurence.



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I must have the room and am offering a few spare **Pigmy Pouters** at less than a fourth of their value. These birds are from imported stock, and have won first honors at New York, Washington, St. Louis, and Hagerstown, Md. If you want some grand birds at greatly reduced prices, now is your chance.

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12-12

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We are selling some of the Best Stock We Ever Offered and Will Select To Please, if ordered.

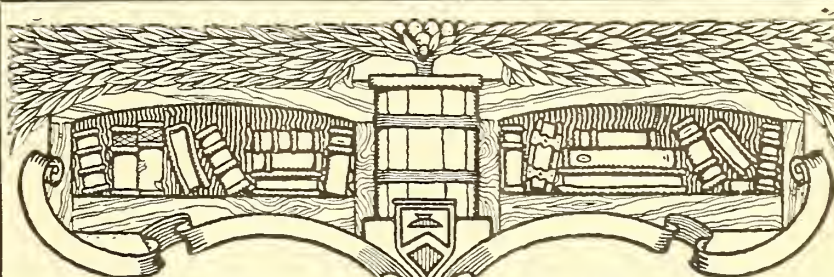
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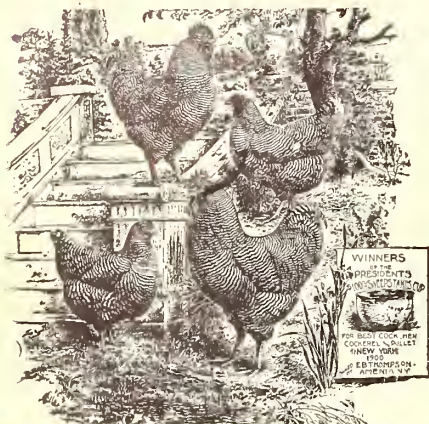
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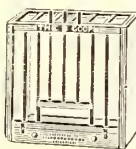
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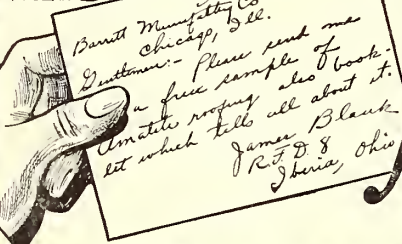
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